20000227.qrp v01_n744.qrl.20000227

Date: Sun, 27 Feb 2000 19:03:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1744

QRP-L Digest 1744

Topics covered in this issue include:

  1) [64257] [PROP] For CQC QSO Party
     by "Paul Harden, NA5N" <na5n@rt66.com>
  2) [64258] W1FB Lives On
     by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
  3) [64259] fox log 2-18-2k
     by K1OJ <k1oj@ditdit.com>
  4) [64260] TT2 Built/Not working/darn
     by N1ODL@aol.com
  5) [64261] QSL info needed
     by N1ODL@aol.com
  6) [64262] Re: W1FB Lives On
     by "Richard McGaver" <mcgaver@execpc.com>
  7) [64263] Re: QSL info needed
     by BenNW7DX@aol.com
  8) [64264] Thanks for Super Secret Event!
     by KD1YV <kd1yv@mindspring.com>
  9) [64265] WV QRP CW OTA 20m
     by KB8AOB@aol.com
 10) [64266] Re: Thanks for Super Secret Event!
     by "Larry Przyborowski" <lprzyski@erols.com>
 11) [64267] Re: NOIRCAL Surface Mount Technology Kit
     by "Benjamin F. Poinsett" <benmail@erols.com>
 12) [64268] Fox and QRP-L # how do I find fox and # ?
     by Ronnie Davis <ke4vpn@yahoo.com>
 13) [64269] Super Secret Event
     by fred w2xn <w2xn@juno.com>
 14) [64270] Super Secret Event
     by K5KW@aol.com
 15) [64271] Re: Super Secret Event
     by Monte Stark <ku7y@dri.edu>
 16) [64272] Changing e-mail address
     by Roger Hightower <n7kt@earthlink.net>
 17) [64273] OHR QRP-40 Sold, WM-75 for sale
     by "Greg Wasik" <k1yw@hotmail.com>
 18) [64274] Now W1FB can take a break :)
     by Ed Loranger <we6w@netzero.net>
 19) [64275] happy dance!

by GElam30092@aol.com
20) [64276] Surface Mount vs Thru-Hole, SMT Kit
by "Paul Harden, NA5N" <na5n@rt66.com>
21) [64277] Re: Super Secret Event
by k4eq@arrl.net (Dale Holloway)
22) [64278] Re: QRP-L NUMBER
by "Mont Pierce, KM6WT" <mont@inreach.com>
23) [64279] Fox Switch!!!
by KQ5U <tmyers@academicplanet.com>
24) [64280] WIFB/N0RC somethings old, somethings new
by "Rod, N0RC" <n0rc@yahoo.com>
25) [64281] [FOX] K8DD/C6A Special FOX 02-17-2000
by Hank Kohl K8DD <k8dd@arrl.net>
26) [64282] FW: WWV-Message... Would you look at these numbers!!!
by "Ed Tanton" <n4xy@att.net>
27) [64283] Is W1FB an Alligator ????
by Arthur Moe <kb7ww@chatusa.com>
28) [64284] Re: Now W1FB can take a break :)
by tom palmer <n1tp@worldnet.att.net>
29) [64285] HW-9 HELP! I screwed up folks...
by "Bill Todd" <zapzap73@hotmail.com>
30) [64286] IA QRPC Meeting and 30m Opening: ramble ramble
by aweiss@usd.edu (Ade Weiss W0RSP)
31) [64287] SMT
by sherers@gate.net (Stephen Sherer)
32) [64288] NORCAL SMT kit... The Future is coming...
by "Tom Scott" <tscott@eni.net>
33) [64289] W1FB Special Event Update
by "Ed Hare, W1RFI (w1rfi@arrl.org)" <w1rfi@arrl.net>
34) [64290] Re: Fox and QRP-L # how do I find fox and # ?
by "Paul R. Valko" <prvalko@oakland.edu>
35) [64291] Re: Freq Counter
by Rod Johnson <ka7you@juno.com>
36) [64292] Re: happy dance!
by Tom Isgro <k8cz@concentric.net>
37) [64293] Dreams come true in QRP
by David M Kopacki <kf2ew@juno.com>
38) [64294] Lost mail & computer discoveries
by "Nils R. Young" <nilsbull@juno.com>
39) [64295] Parts source / Parts substitute help
by Kw4cz@aol.com
40) [64296] SMT in QST
by Jim Durkin <jimdurkin@yahoo.com>
41) [64297] W1FB CQing
by "Ron Polityka" <wb3aal@talon.net>
42) [64298] Re: SMT
by "George Dobbs" <g3rjv@gqrp.demon.co.uk>
43) [64299] W!FB/N1ODL/In the log...YESSSS

by N1ODL@aol.com
44) [64300] Re: NORCAL SMT kit... The Future is coming...
by david fouchey <dafouchey@home.com>
45) [64301] [FOX] K8DD/C6A final log Feb 19, 2000
by Hank Kohl K8DD <k8dd@arrl.net>
46) [64302] SPECIAL FOXHUNT ANNOUNCEMENT - (Fox Change)
by "Paul R. Valko" <prvalko@oakland.edu>
47) [64303] Re: NORCAL Surface Mount Technology Kit
by K2UD@aol.com
48) [64304] Re: Help: Single Diode DC detector
by Thomas Kuehl <ac7a@gci-net.com>
49) [64305] Microwatting.......??????
by osier <osier@northnet.org>
50) [64306] EQUIPMENT PRICES
by ARDUJENSKI@aol.com
51) [64307] W1FB
by "Mike Newbold" <newbold@cmn.net>
52) [64308] W1FB
by w2xn@juno.com
53) [64309] FS-Poqet prime and plus
by "Kenneth Stovel" <k2mpd@worldnet.att.net>
54) [64310] Re: W1FB on 40 mtrs
by Bruce Rattray <rattray@gpfn.sk.ca>
55) [64311] You can send e-mail to Ed Hare - W1RFI
by tom palmer <n1tp@worldnet.att.net>
56) [64312] Re: NORCAL SMT kit... The Future is coming...
by radioham@home.com
57) [64313] W1FB on 14.0605
by Roy <marion@montana.com>
58) [64314] Re: NORCAL SMT kit... The Future is coming...
by Monte Stark <ku7y@dri.edu>
59) [64315] Re: W1FB on 14.0605
by "Michael Young" <mikey@mcs.com>
60) [64316] Re: NORCAL SMT kit... The Future is coming...
by Tom Isgro <k8cz@concentric.net>
61) [64317] Re Poqet's
by "Kenneth Stovel" <k2mpd@worldnet.att.net>
62) [64318] Re: happy dance!
by "The Weinsteins" <weinsteins@home.com>
63) [64319] Re: Necessity is the mother of strange antennas
by "Caitlyn M. Martin" <caitlyn@netferrets.net>
64) [64320] W1FB
by N9DD@aol.com
65) [64321] NH: Hamcalc36 or later
by Clay N4AOX <wyn@worldnet.att.net>
66) [64322] FS 38S
by Marv Fagenson <k6hcj@juno.com>
67) [64323] W1FB

by "Dan W. Dooley" <dandooley@pipeline.com>
68) [64324] OPERATING: W5KID USS Kidd Special Event
by n5ib@juno.com
69) [64325] OPERATNG: W1FB event
by n5ib@juno.com
70) [64326] Re: NORCAL SMT kit... The Future is coming...
by Dick Carroll <dixie@townsqr.com>
71) [64327] Free Shell Access
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
72) [64328] Re: Microwatting.......??????
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
73) [64329] E-mail to Ed Hare -W1RFI
by tom palmer <n1tp@worldnet.att.net>
74) [64330] Wireless phone monitor
by "Floyd Smithberg" <flydnq7x@primenet.com>
75) [64331] Modifying Small Wonder Labs DSW Rigs to Receive SSB
by "Bruce Prior" <n7rr@hotmail.com>
76) [64332] Power Attenuator
by BenNW7DX@aol.com
77) [64333] Re: Power Attenuator
by "Scott E. Olitsky" <solitsky@acsu.buffalo.edu>
78) [64334] Re: W1FB on 14.0605
by "J. Ervin Bates" <w8erv@email.msn.com>
79) [64335] Re: Power Attenuator
by Arthur Moe <kb7ww@chatusa.com>
80) [64336] Acommodating the Antenna Mistress & other afternoon pursuits
by "Nils R. Young" <nilsbull@juno.com>
81) [64337] Re: Isotron URLs...
by "Robert Gutknecht" <kc2jz@netsync.net>
82) [64338] HELP--URL for NE QRP Club?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
83) [64339] Re: Isotron URLs...
by EuroM6@aol.com
84) [64340] Started my homepage...
by Fred Lesnick <flesnick@tbaytel.net>
85) [64341] Antenna Help Request
by "Mark Burton" <rburton2@midsouth.rr.com>
86) [64342] Re: Single Diode Product Detector Update.
by "Cla KA0GKC" <ka0gkc@arrl.net>
87) [64343] QRP TEST - K1OJ calling CQ on 21.060
by tom palmer <n1tp@worldnet.att.net>
88) [64344] NE-QRP Club url--*GOT IT* Thanks!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
89) [64345] Re: Isotron URLs...
by Dave Sjolin <sjolin@swbell.net>
90) [64346] N5IW calling "CQ" in QRP test
by tom palmer <n1tp@worldnet.att.net>

Date: Sat, 26 Feb 2000 18:20:55 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Cc: cqclist@cqc.org
Subject: [64257] [PROP] For CQC QSO Party
Message-ID: <Pine.SUN.4.10.10002261806070.7656-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
The solar flux passed 200 today (saturday), hitting 215, and predicted to be 217-220 tomorrow, Sunday, for the CQC WINTER QSO PARTY. This is a very high solar flux, guaranteed to make all bands hop with activity. Such a high solar flux will support multi-hop skip on 10M and possibly down to 20M.

Our geomagnetic field was highly disturbed and in minor storm conditions past few days due to one of those pesty coronal holes. However, planet earth is settling down from this. Todays solar wind was still fairly high, around 600 km/sec., but steady. Steady is good. It is when the solar wind takes on a sudden change in velocity, density or direction that it causes our magnetic field to assume a different shape ... and that CHANGE is what produces strong electrical currents and noise on the HF bands.

FOR THE CQC QSO PARTY ... predictions are for unsettled to active conditions, which is pretty much normal. So 40M should likewise be fair to good from later afternoon and after.

As a reminder ... the solar flux impacts the higher bands mostly, 20M to 10M ... with the higher the solar flux, the better the skip propagation. Our geomagnetic field impacts the lower bands, 40M and below. (20M sees the effects of both). The lower the A-index or K-index, the better these lower bands.

So inspite of a slightly disturbed magnetic field right now, conditions are actually very good for the CQC WINTER QSO PARTY tomorrow (sunday).

Hope to see some of you on the air, passing out my CQC number for those extra points!

GL and 72, Paul NA5N

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

> SDF NUMBER 057 ISSUED AT 2200Z ON 26 FEB 2000

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z:
> THE GEOMAGNETIC FIELD RANGED FROM QUIET TO ACTIVE LEVELS. SOLAR WIND
> VELOCITY CONTINUED TO SLOWLY DECLINE BUT ENDED THE PERIOD STILL
> ELEVATED NEAR 600 KM/S. ENERGETIC ELECTRON FLUXES AT GEOSYNCHRONOUS
> ORBIT REACHED HIGH LEVELS FOR THE SECOND CONSECUTIVE DAY.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE
> PREDOMINANTLY QUIET TO UNSETTLED FOR 27 FEB. ISOLATED ACTIVE PERIODS
> ARE POSSIBLE AS THIS CORONAL HOLE RELATED DISTURBANCE SUBSIDES.
> MOSTLY QUIET CONDITIONS ARE EXPECTED ON 28-29 FEB. ENERGETIC
> ELECTRON FLUXES SHOULD REMAIN ELEVATED FOR THE NEXT FEW DAYS.

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED   26 FEB 215 <----------- Saturday's high solar flux
> PREDICTED   27 FEB-29 FEB 217/219/220 <-- 217 for sunday
> 90 DAY MEAN   26 FEB 165 <----------- and well above average

> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 25 FEB 014/018
> ESTIMATED AFR/AP 26 FEB 012/011
> PREDICTED AFR/AP 27 FEB-29 FEB 012/008-008/010-008/010
                                  ^^^^^^^
                                  Sunday
                                  Unsettled to active

Date: Sat, 26 Feb 2000 20:27:13 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>, "njqrp@njqrp.org" <njqrp@njqrp.org>
Subject: [64258] W1FB Lives On
Message-ID: <38B87D71.9DBC3F90@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just threw out my call and worked W1FB. Nice to hear that call on the
air once more.

Am I correct in assuming the QSL route is W1AW or is it the Conecticut
QRP Club???
--
++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website http://members.home.net/tjarey

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Sat, 26 Feb 2000 19:49:07 -0600
From: K1OJ <k1oj@ditdit.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64259] fox log 2-18-2k
Message-ID: <001901bf80c4$d59dd7e0$0ea7bfd0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Howdy all,
Some of the Houston fox hunters were operating from Mexico for this hunt.
Does anyone have a copy of the log they could send me?

OJ---K1OJ
dit dit

Date: Sat, 26 Feb 2000 20:58:32 EST
From: N1ODL@aol.com
To: qrp-l@lehigh.edu
Subject: [64260] TT2 Built/Not working/darn
Message-ID: <40.1650031.25e9dec8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Finished the TT2 Very early this morning and decided to wait till later on
today to get it on the air. Deciced to try for the W1FB this evening. Plugged
it in and got it all set for on the air. Turned it on and NOTHING...checked
all the connections again and STILL NOTHING....Now I'm bumming. I can hear
W1FB and cannot call him.
Guess I will do a little surgery tomorrow morning to see what went wrong. I
thought I checked all the connections and all the correct parts, but not even
a smidge of power running to the TT2. there is power to the rig, but not
coming out the other side. (can you tell I'm technical?) GO FIGURE...I guess

working on a project at 3:00 AM in the morning is not a very good Idea.
HHELLLPPPPP....
Aron Brown
N1ODL (very sad...)
Bedford, NH

Date: Sat, 26 Feb 2000 21:07:14 EST
From: N1ODL@aol.com
To: qrp-l@lehigh.edu
Subject: [64261] QSL info needed
Message-ID: <8a.13aed32.25e9e0d2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

had a QSO tonight (not with the TT2) with ru0cj/9 while he was in a contest.
I cannot find him in any QSL directory. Any ideas?
Thanks, Aron
N1ODL

Date: Sat, 26 Feb 2000 01:21:51 -0600
From: "Richard McGaver" <mcgaver@execpc.com>
To: <tjarey@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64262] Re: W1FB Lives On
Message-ID: <001101bf802a$26ff23a0$1688cfa9@Pmcgaver>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Same Here, finally tuned him in and worked him with 5 watts (QRP)
NK9G   Milw WI
-----Original Message-----
From: T.J. "SKIP" Arey N2EI <tjarey@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, February 26, 2000 7:28 PM
Subject: W1FB Lives On

>Just threw out my call and worked W1FB. Nice to hear that call on the
>air once more.
>
>Am I correct in assuming the QSL route is W1AW or is it the Conecticut
>QRP Club???

>--
>+++
>
> T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com
>
>   Website   http://members.home.net/tjarey
>
>   Snail Mail: PO Box 236, Beverly, NJ 08010
>
>   Specialization is for insects!   LAZARUS LONG
>

Date: Sat, 26 Feb 2000 21:18:25 EST
From: BenNW7DX@aol.com
To: N1ODL@aol.com, qrp-l@lehigh.edu
Subject: [64263] Re: QSL info needed
Message-ID: <12.1f15e83.25e9e371@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Aron -
    I checked a few qsl manger websites, then also searched the web with dogpile.com, which uses 11 different search engines. Nothing came up, so chances are, this was just a ham in Asiatic Russia, therefore you can give him a QSL via the buro, or if you don't want to wait a long time, you can go ahead and send it direct!

I hope this helps.   73,
Ben - NW7DX

Date: Sat, 26 Feb 2000 21:30:35 -0500
From: KD1YV <kd1yv@mindspring.com>
To: qrp-l@lehigh.edu, w1rfi@arrl.org
Subject: [64264] Thanks for Super Secret Event!
Message-ID: <38B88C4B.ED536DE0@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to Ed and the Central CT gang for putting together the W1FB Super Secret QRP Event! I was a few minutes late tuning in, but caught the tail end of the Special QSO.

Then I heard the ROAR of the pileup! Five watt rigs, a thousand strong! I tried a few times, but didn't think that I had any chance to break that pileup. I gave up, and figured I'd try again after I went to the store with N1SLB (the XYL.) Surely when we got back, the din would be down.

I got cleaned up, and came back to the shack to turn off the rig. I heard another call, and half-heartedly threw out my call, _while standing beside the operating position_. HOLY CRAP, HE ANSWERED ME! I had to quickly sit down, clamp on the cans, and complete the QSO. Boy, was I surprised!

Anyway, thanks again, guys. It was great to hear W1FB on the air!

--
72/73 de Jim, KD1YV
If things get any better, I may have to hire someone to help me enjoy it

---

Date: Sat, 26 Feb 2000 21:54:38 EST
From: KB8AOB@aol.com
To: qrp-l@lehigh.edu
Subject: [64265] WV QRP CW OTA 20m
Message-ID: <b8.2760cb9.25e9ebee@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

QRP 14.040 West Virginia
100% QSL

0300 UTC 2/27/00 -> ?

Date: Sat, 26 Feb 2000 22:19:15 -0500
From: "Larry Przyborowski" <lprzyski@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
<kd1yv@mindspring.com>
Subject: [64266] Re: Thanks for Super Secret Event!
Message-ID: <001301bf80d1$7306aa00$f196accf@k3peg>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>HOLY CRAP, HE ANSWERED ME! I had to quickly sit down, clamp on the cans,
  and complete the QSO. Boy, was I surprised!
> --
> 72/73 de Jim, KD1YV

Good job Jim. I was out and missed the first half hour- rats! I overheard
you working W1FB! I tried a few times, but no luck. I'll try again tomorrow.
Dave's sigs got very, very weak as the hours moved on; however, I heard lots
of people working him.

72/3 de Larry - K3PEG -.-

Date: Sat, 26 Feb 2000 22:24:36 +0000
From: "Benjamin F. Poinsett" <benmail@erols.com>
To: qrp-l@lehigh.edu
Subject: [64267] Re: NOIRCAL Surface Mount Technology Kit
Message-ID: <38B8524F.118C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Great news! Looking forward to the SMT kit. Unfortunately, like
many others. I have zilch, nada experience with SMT construction.
All my previous building efforts were with discrete and IC components.

I've reviewed some of the recent articles on SMT construction and
will revisit them again. If some of the SMT constructors could
give us some of the "tricks of the trade," pertaining to SMT
construction,would certainly be appreciated.

Perhaps someone could give us information on what equipment is needed to
do SMT. That is, what is minimum soldering equipment needed? What size
tips? What type of solder? Is a magnifying lamp a must? Any special jigs
required? And finally, where do we get this "stuff?" Do we need a
second mortgage on the house to buy this stuff?

Any info on this subject would be very valuable and should be
posted on the QRP-l.

Kudos to Doug and the NORCAL folks putting this project together.

72 & 73,

Ben Poinsett, K3BP

Bethesda,MD

Date: Sat, 26 Feb 2000 19:22:52 -0800 (PST)
From: Ronnie Davis <ke4vpn@yahoo.com>
To: QRL List <qrp-l@Lehigh.EDU>
Subject: [64268] Fox and QRP-L # how do I find fox and # ?
Message-ID: <20000227032252.19688.qmail@web606.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

SRI Guys im new to list and to cw? Dont know how to
find fox or my QRP-L #? I just started cw and its
killing me Hi Hi, thanks fer ur help 73 de ke4vpn
_____
Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
http://im.yahoo.com

Date: Sat, 26 Feb 2000 22:24:28 -0500 (EST)
From: fred w2xn <w2xn@juno.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [64269] Super Secret Event
Message-ID: <381581608.951621868541.JavaMail.root@web30.pub01>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

It looks like life is not always a "bowl of cherries". I worked for an hour
trying to get W1FB, trying to copy thru the noise, QRO SSB, digital noise.
Finally Dave heard me, came back and then, somebody spilled the bowl of cherries
and the QRM got so bad I couldn't even hear him again.

Oh well, keep trying
Fred W2XN   (one of the "Swamp Rats")
Lakeland, FL
W5YI-VE   Skywarn #POL-007   Polk County ARES
AR QRP #233   QRP-L #1728   NJ-QRP #197   ZOMBIE #709

Date: Sat, 26 Feb 2000 22:44:39 EST
From: K5KW@aol.com
To: QRP-L@lehigh.edu

Subject: [64270] Super Secret Event
Message-ID: <9.29e0a3a.25e9f7a7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Drat !

No propagation between W1FB and east central Oklahoma on 40 meters.
Can hear others working W1FB, but silence when it was the Newington
station's turn. Maybe later.

Don

"From Meadowlark Aerodrome on the rippling shores of Lake Eva, in the heart
of the Morris-Boynton metroplex of east central Oklahoma, where every day is
a sunny day".

Date: Sat, 26 Feb 2000 19:45:20 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64271] Re: Super Secret Event
Message-ID: <Pine.GSO.4.10.10002261939370.23485-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks Ed and Dave,

Worked Ed as W1FB on 10110.5 at a little after 0300z. He was
only 339 but no one else was calling so we made it. I also
got a 339 from Ed!

Then I went to 40m and heard a pile up.....then heard Dave
using W1FB. He was working simplex.....I jumped into the
next round of calling....sent my call twice and then just
sat back to listen to some folks tryng to out send the
others and be the last one calling!

While that was going on I heard Dave send something and
then W1FB?.....so I waited a fraction of a second and didn't
hear anyone go back to him so I sent KU7Y? at about 30ish
wpm.

Dave came back to me and I had him in the bag. We were
both about 559 to each other.

All I can say is that both Ed and Dave have some good ears!

Thanks guys.

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.......Nevada....NRA LIFE....
.....SOWP 5545M.......WHINERS #1........ZOMBIE #18.....

Date: Sat, 26 Feb 2000 20:53:52 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [64272] Changing e-mail address
Message-ID: <38B89FD0.4DB645DD@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm having real problems with my old ISP, so am unsubscribing and
resubscribing with a new ISP.

My e-mail address will be: n7kt@worldnet.att.net

Just in case anyone has it in their address book.

Tnx.72...Roger, N7KT

Date: Sat, 26 Feb 2000 22:56:34 EST
From: "Greg Wasik" <k1yw@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [64273] OHR QRP-40 Sold, WM-75 for sale
Message-ID: <20000227035634.24732.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The OHR QRP-40 has been sold. I still have the Small Wonder WM-75 ssb rig
for sale. I am asking $100. To view this item go to:

http://www.nationlink.com/k1yw/

72 to all

Greg
K1YW

_____
Get Your Private, Free Email at http://www.hotmail.com

Date: Sat, 26 Feb 2000 19:58:14 -0800
From: Ed Loranger <we6w@netzero.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [64274] Now W1FB can take a break :)
Message-ID: <38B8A0D6.B8AD840D@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Now that I've worked him, Dave can officially take
a break. :)

What a beautiful callsign to send! W1FB is very
musical. Dave was 339 here in Northern California
at 0336 thru 0338Z on 7041.46 KHz.

72/Ed we6w

--
72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 NC#2227

_____
NetZero - Defenders of the Free World
Get your FREE Internet Access and Email at
http://www.netzero.net/download/index.html

Date: Sat, 26 Feb 2000 23:34:32 EST
From: GElam30092@aol.com
To: qrp-l@lehigh.edu
Subject: [64275] happy dance!
Message-ID: <2.13b1204.25ea0358@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well, of about 35 hams who tested in Phoenix tonight, only one braved the 13-wpm code test and he managed to pass it along with the written test.

Happy dance!
Gerry "the new general license holder" Elam
PHX AZ

Date: Sat, 26 Feb 2000 21:51:39 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Subject: [64276] Surface Mount vs Thru-Hole, SMT Kit
Message-ID: <Pine.SUN.4.10.10002251245520.1723-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Doug's announcement the otherday about the upcoming NorCal SMT kit has certainly generated a lot of excitement, interest, doubts, etc. And many have wondered publicly if they will beable to "tackle" such a kit and asked about this whole SMT thing. Well, for those so interested, here's a few comments from my perspective anyway. In short ... most people should beable to do it!

For those of us who do electronics for a living, we all had to face that day where we had to learn to do that surface mounted stuff (SMS). We jumped in with shaky fingers and sweating palms, just as many of you are imagining it will be. Well, like learning to ride a bike, the trauma part gets over pretty fast and you find yourself cruising along on your own with ease. As Mike C. pointed out in his post, after you do it for awhile, those 1200 series components look like boulders in comparison to the sizes now commonly used. And that is very true. The SMC parts to be used in the NorCal kit are the "boulder size" and you're a pro after soldering about three of them in place. And as Steve "melt solder" (SMS) Weber mentioned, in many ways, SMC construction is in many ways easier by not having to stuff through holes, turn over the board, snip off leads, etc., all of which DOES make assembly seem a bit faster.

I avoided surface mounted components (SMC) like the plague at first, and now I rather enjoy it. I truly believe for those of you who tackle the project, you will find it much easier than your fears, your friends will be super impressed with your skills afterwards, and you will have double the joy of that first QSO over that of any homebrew QRP rig.

Here's some thoughts on the two technologies based on my experience in the hobby and at work:

SURFACE MOUNTED COMPONENTS (SMT) is clearly todays technology and is here to stay. While maybe not as important at HF as the much higher frequencies, SMC's have made things like cell phones and those teeny weenie 2M handhelds small, cheap (SMC *is* cheaper to mass assemble) and good performance due to things like stray capacitance and lead inductance being greatly reduced. It's the technology by which the majority of consumer electronics is now made. And the 800MHz PC you are using to read this would be back at 40MHz were it not for SMC.

Is it neccessary to convert all QRP designs to surface mount? Well, probably not. But it is the technology facing us, and it's a matter of time before somebody releases an SMT kit if NorCal had not. Time will tell if the technology provides any performance advantage. My guess is while things like MDS and dynamic range won't be much different, things like overall receiver noise, lower phase noise over a VFO with the DDS and lower receive current draw (inspite of the frequency synthesizer) will be noticed.

WHAT DO YOU NEED FOR SURFACE MOUNT CONSTRUCTION? First, a good soldering iron with a very slender tip. Although if you have very steady hands, a normal small tipped iron will do well also on most components except for those multi-pin IC's (which evidently will be premounted in the NorCal kit).

The second priority is learning to keep the parts separate. You need to do business a bit different than perhaps you do now. If you're like me when I build a kit, I dump the whole bag of components on the bench in front of me and paw through it looking for the 10K's and .01's as I need them. With SMC's, you need to keep the parts in separate little piles, one pile of 10K resistors, the next are the .01 caps, etc. Don't mix them up, or you'll be spending all night squinting to read the little numbers. And ... for example, a .001 cap is labeled "102" and guess what? ... a 102 is also a 1K resistor! So it becomes very imperative you keep the parts together when you unbag them to avoid misidentification.

Along this line, DON'T put your little piles of parts near the edge of your workbench, or else your next brush of the sleeve will dump them all on the floor. Ever try picking out those little caps out of a carpet? I have ... and it ain't fun. You get my point I hope. Nothing heroic, just a little extra care over what you may be doing now will go a long way to reducing a bunch of common problems we all encountered when we first started.

No doubt there will be procedures in the manual on how to mount these things. Not really that hard. The usual technique for hand assembly is the hold the SMC part down, with say the stick end of a Q-tip, with one hand and solder one side down with the other. A small bead of solder on

the soldering iron tip is often sufficient to make a strong solder joint. Then, well solder the other side! It takes surprisingly little solder over what you are used to. The hardest part for me is getting all the parts to line up nice and square. It's easy to get them a bit crooked between the pads. Doesn't hurt anything, but we all like things to look neat, square and professional. Skill level one is getting the part soldered in place. Skill level two is making it look pretty by getting it straight. A little practice helps with both.

THROUGH-HOLE COMPONENTS. As pointed out by others, through the hole components are not yet obsolete ... particular the components we use in QRP kits ... usually the very common IC's and discrete components. A few issues ago of EDN (Electronic Design News) was a listing of the ten most popular electronic items purchased in 1999. Eight of the top ten were through-hole components, and ones that have been around for YEARS, like 2N2222, 1N914, LM741, LM324, 7805 regulators, etc. (I forget the entire list). Do you know what the #1 IC sold by National Semiconductors has been for the past decade, including 1999, bar none? The LM324 op amp. I asked a National applications engineer if that was true a couple of months ago, and he said YES, without a doubt.

But, production levels of many of the LM series of linear thru-hole IC's are dropping, making them hard to find, while their SMC counterparts are usually plentiful. I was told by the same National applications engineer that the easiest place to find thru-hole IC's are the hobby and mail order vendors, such as Mouser and Digi-Key, as their business depends on keeping them in stock. They order MONTHS ahead to ensure they keep them in stock. That is good news for us hobbiests, but thru-hole parts are sometimes hard to get from the commercial vendors, such as Hamilton, Avnet, Bell, Newark, etc. You can tell by the lead times on delivery. You order many SMC parts and delivery is 2-3 weeks, while thru-hole parts can often run anywhere from 6-18 weeks. The semiconductor manufacturers will tell you, they often wait until there is 20,000 or more of an item on back order before they gear up and make the dies for thru-hole parts, as the demand for the SMC stuff is so great.

So thru-hole stuff ain't going away over night, but the availability is shrinking. Perhaps scarcely noticed now, but by the time it *is* noticed, we're in trouble.

In summary, I don't think thru-hole components we are used to using will be disappearing anytime soon, but the sooner we learn to build with SMC, the better. It's today's (and tomorrow's) technology, and we all need to learn to get comfortable with it. And a well thought-out kit will give us the opportunity to live through the "learning curve" and become comfortable with it. Then, many of you SMT builders may become the next generation of QRP designers.

I *am* very concerned as to how an SMT kit will be kitted and the parts presented. I raised this concern with Doug Hendricks on the phone the other night, and I was very surprised at some of the packaging ideas he and those involved have come up with. Then I realized one of the real powers of this kit is not only the first SMT hobby kit, but the opportunity to "invent" and develop the logistics and techniques that may very well become the standard by which it is done by the commercial vendors in the near future. Some real thinking needs to be put into this and much of it has already been done. I think that is one of the exciting parts of this whole project that others will benefit from in the future.

I am not involved with this project, and was surprised when I saw Doug's posting like the rest of you. It's been in the works for over a half a year, and they have done a good job keeping it secret! And a good job thinking it out. I am confident with what I have heard so far from Doug, and my own experience in learning SMT construction, that most of you will find it as enjoyable and successful to build as most kits. And years down the line, when SMT is the dominant technology for ham radio kits, QST articles, etc., that it was us QRPers that was at the forefront of it and launched it into what SMT for hobbiests will no doubt become. All from us guys building TT2's and other pip-squeek radios!

I encourage those of you who do SMT construction for a living, or a hobby, to share your thoughts and experiences with us on QRP-L. It will be welcomed by all in preparation to building that first SMT kit.

72, Paul NA5N

Date: Sun, 27 Feb 2000 04:59:22 GMT
From: k4eq@arrl.net (Dale Holloway)
To: qrp-l@Lehigh.EDU
Subject: [64277] Re: Super Secret Event
Message-ID: <38b8ae5b.16091495@mail.naxs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

I also got them about 20 minutes apart on 30 and 40 meters QRP with my =
DWS-30 & DSW-40. Nice catch
for one night!

Dale Holloway, K4EQ

QRP ARCI #10034, MI-QRP #109, FISTS #3597,
QCWA #19129, ARRL, Johnson City ARA
K4EQ Web Site: http://www.qsl.net/k4eq/

Remember: The circumstances of life aren't nearly as important
as how you respond to them.

Date: Sat, 26 Feb 2000 21:33:46 -0800
From: "Mont Pierce, KM6WT" <mont@inreach.com>
To: <KB0R@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64278] Re: QRP-L NUMBER
Message-ID: <000b01bf80e4$38d2c860$c413d1d1@sol>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: <KB0R@aol.com>

> I did at one time sign up for a number. Now I need it so I can talk to my
> friend the fox. How do I retrieve my number?

ftp://ftp.lehigh.edu/pub/listserv/qrp-l/misc/member_numbers.txt

73,
Mont

Date: Thu, 24 Feb 2000 16:09:43 -0600
From: KQ5U <tmyers@academicplanet.com>
To: Post to List QRP-L <qrp-l@Lehigh.edu>
Subject: [64279] Fox Switch!!!
Message-ID: <38B5AC27.342EA2DE@academicplanet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

KQ5U and N0UR are switching nights. The times will remain the same.
Below is a update on the changes that Doc posted.

>

```
>       03/01      0100    NQ9RP   CHEESE       WI
>       03/03      0000     N0UR      JIM       MN <<<<was KQ5U
>       03/08      0200     N5IB      JIM       LA
>       03/10      0000     KQ5U    TERRY   TX <<<<<was N0UR
>       03/15      0200    WD4ET     JEFF       FL
>       03/17      0200     KU7Y    MONTE       NV <<<NOTE<<<
>       03/22      0200    AB7CE      ROY       MT
```

Please watch for the announcements as to what the FOX plans will be.

KQ5U
Terry
Spring, TX

Date: Sat, 26 Feb 2000 22:53:01 -0700
From: "Rod, N0RC" <n0rc@yahoo.com>
To: <elecraft@qth.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [64280] WIFB/N0RC somethings old, somethings new
Message-ID: <019d01bf80e6$ec8907a0$a6101004@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

YYYYYYYYYYYYYYYYEEEEEEEEEEEEEEEEEEEEEEHHHHHHHHHHHHHHHHHHAAAAAAAAAAAAAAA
AAAAA!!!!

27-Feb-2000, 0531z: N0RC...QSL DE WIFB

That my friends was confirmation that I worked the special W1FB event
station. No biggie you say....setup here was:

    RX: K2 #286
    TX: TT2 ~400mW NJQRP club kit
    Key: J-38 (straight key)
    Ant: Attic multiband dipole
    Ant Tuner: MFJ-949E
    SIG REPORT: 229 both ways

Like James Brown sings: I FEEL GOOD, DA DA DAA DAA DA DA DUM! SO GOOD
SO GOOD...;-)

To make the night extra special I worked Ed on 30 a little earlier.

YYYYYYYYYYYYYYYYEEEEEEEEEEEEEEEEEEEEEHHHHHHHHHHHHHHHHHHAAAAAAAAAAAAAAA
AAAAA!!!!

72/3 Rod, N0RC -- Fort Collins, CO

_____
Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
http://im.yahoo.com

Date: Sun, 27 Feb 2000 01:07:08 -0500
From: Hank Kohl K8DD <k8dd@arrl.net>
To: qrp-l@lehigh.edu
Subject: [64281] [FOX] K8DD/C6A Special FOX 02-17-2000
Message-ID: <4.1.20000227004600.00b7bcc0@192.0.0.6>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This is it - what I have in the NA computer log and/or on paper notes.
Final log:

date	time	freq	001	call	sntrcd	st	name	nr
02-17-2000	01:35:40	7042.4	CW	001	NV4V	579579	ky	pete	1721
02-17-2000	01:36:03	7042.4	CW	001	K1JD	589599	ri	john	2945
02-17-2000	01:38:01	7042.4	CW	001	W0CH	579559	mo	dave	618
02-17-2000	01:39:12	7042.4	CW	001	N3XRV	579559	md	chris	655
02-17-2000	01:40:16	7042.4	CW	001	WB9IUA	569559	il	kevin	384
02-17-2000	01:41:08	7042.4	CW	001	AJ4Y	599599	fl	paul	1795
02-17-2000	01:42:09	7042.4	CW	001	AE2T	589559	ny	al	1664
02-17-2000	01:43:29	7042.4	CW	001	AF4PP	599569	ga	check	1725
02-17-2000	01:44:07	7042.4	CW	001	N0DT	599559	mo	day	1004
02-17-2000	01:45:10	7042.4	CW	001	N5IW	589559	tx

dave 1718

02-17-2000 01:46:24 7042.4 CW 001 W0JOE 589559 mo
joe 1902
02-17-2000 01:47:25 7042.4 CW 001 N0EA 599559 mo
wayne 1058
02-17-2000 01:48:11 7042.4 CW 001 K0EVZ 579599 nd
doc 861
02-17-2000 01:49:22 7042.4 CW 001 WB8KQY 579569 oh
gary 446
02-17-2000 01:50:17 7042.4 CW 001 W8TJ 579589 mi
tom 236
02-17-2000 01:50:52 7042.4 CW 001 W0RSP 589559 sd
ade 661
02-17-2000 01:51:38 7042.4 CW 001 NK7M 579589 az
bob 261
02-17-2000 01:52:10 7042.4 CW 001 KU7Y 579599 nv
ron 17
02-17-2000 01:53:34 7042.4 CW 001 WS4S 599599 tn
conrad 993
02-17-2000 01:54:16 7042.4 CW 001 N5UW 559559 ok
clif 478

02-17-2000 01:56:29 7042.4 CW 001 K5HQV 569579 ms ben 5w
9534 (arci)
02-17-2000 01:56:40 7042.4 CW 001 N9SSA 559559 mi
pete 3w
02-17-2000 01:57:16 7042.4 CW 001 NQ7X 599559 az
floyd 343
02-17-2000 01:58:31 7042.4 CW 001 N5LU 599599 ok
bill 2009
02-17-2000 01:59:10 7042.4 CW 001 K4NK 599599 sc
les 871
02-17-2000 02:00:01 7042.4 CW 001 K1VP 599559 nh
ed 1960
02-17-2000 02:00:51 7042.4 CW 001 KA3GEA 579579 pa
buck 800mw
02-17-2000 02:01:51 7042.4 CW 001 K4LL 599579 ky
len 5w
02-17-2000 02:02:51 7042.4 CW 001 WE6W 569559 ca
ed 1157
02-17-2000 02:05:01 7042.4 CW 001 NK6A 579569 ca
don 1517

02-17-2000 02:05:49 7042.4 CW 001 W3KC 579579 md
chas 5w
02-17-2000 02:07:37 7042.4 CW 001 N1ODL 559599 nh
aron 1326

02-17-2000 02:08:38 7042.4 CW 001 K5AAR 599559 ok
don 1512
02-17-2000 02:09:19 7042.4 CW 001 K5RV 599559 la
brian 324
02-17-2000 02:10:02 7042.4 CW 001 NT1R 599559 me
bill 911
02-17-2000 02:10:40 7042.4 CW 001 K8CV 579559 mi
walt 935
02-17-2000 02:11:25 7042.4 CW 001 NV4T 599559 fl
bill 5w
02-17-2000 02:12:00 7042.4 CW 001 N1TP 599579
tom fl 1317
02-17-2000 02:14:36 7042.4 CW 001 KG4BIG 599599 ky
ken 1974
02-17-2000 02:17:17 7042.4 CW 001 K2JQ 549559 ny
dick 1811

02-17-2000 02:18:20 7042.4 CW 001 AF4PS 599599 fl
mac 704
02-17-2000 02:19:31 7042.4 CW 001 K5ZTY 599559 tx
bill 473
02-17-2000 02:20:26 7042.4 CW 001 WB8YYY 599599 md
curt 2115
02-17-2000 02:21:45 7042.4 CW 001 W0RW 559599 co
2284 paul
02-17-2000 02:23:14 7042.4 CW 001 N2ZHY 599559 nj
david 2067
02-17-2000 02:23:55 7042.4 CW 001 W8RU 599599 mi
ron 188
02-17-2000 02:25:52 7042.4 CW 001 KK5LD 599599 tx
dan 2052
02-17-2000 02:26:40 7042.4 CW 001 K0PC 589559 mn
pat 1064
02-17-2000 02:28:52 7042.4 CW 001 VE5RC 559229 sk
bruce 886
02-17-2000 02:30:15 7042.4 CW 001 W8AP 599599 mi george
lotsa watts

02-17-2000 02:31:40 7042.4 CW 001 K5OI 589569 nm
tim 196
02-17-2000 02:33:05 7042.4 CW 001 WA4NWM 599599 al
02-17-2000 02:34:11 7042.4 CW 001 WB8VNZ 579579 mi
george 5w
02-17-2000 02:35:02 7042.4 CW 001 K8MEG 589589 mi
rich 1017
02-17-2000 02:45:07 7042.4 CW 001 KQ5U 599559 tx
terry 1603
02-17-2000 02:48:28 7042.4 CW 001 W2XN 599599 fl

fred 1728
02-17-2000 02:55:25   7042.4 CW 001 K4EQ   599599   tn
dale 5w
02-17-2000 02:56:27   7042.4 CW 001 AC6LA   559559   ca
dan 515

many minutes of CQ Fox and no takers.

72/73   Hank   K8DD

#'s 246, 5731, 247, 69, 4134, 5295 and others.....

Date: Sun, 27 Feb 2000 01:23:39 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Cc: "Steve Krosner K2ZPV" <skrosner@mindspring.com>, "Randy Tudor"
<rtudor@att.net>, "SEDXC" <SEDXC@contesting.com>,
     "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>, "North GA QRP"
<nogaqrp@qth.net>, "LU1DZ Alberto U. SILVA" <uranito@infovia.com.ar>,
Subject: [64282] FW: WWV-Message... Would you look at these numbers!!!
Message-ID: <NBBBJDEEIFDDANGEGHLBIENDIPAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="us-ascii"
Content-Transfer-Encoding: 7bit

Check out the Solar Flux!!!

-----Original Message-----
From: owner-wwv-list@sec.noaa.gov [mailto:owner-wwv-list@sec.noaa.gov]On
Behalf Of Anonymous FTP user
Sent: Sunday, February 27, 2000 01:00 AM
To: wwv-list-send@dawn.sec.noaa.gov
Subject: WWV-Message

:Issued: 2000 Feb 27 0559 UT
Prepared by the U.S. Dept. of Commerce, NOAA, Space Environment Center.
#
Geophysical Alert Message
#
Solar-terrestrial indices for 26 February follow.
Solar flux 215 and Boulder A-index 12.
The Boulder K-index at 0600 UT on 27 February was 2 (13 nT).

Solar-terrestrial conditions for the last 24 hours follow.
Solar activity was moderate.
The geomagnetic field was quiet to unsettled.

The forecast for the next 24 hours follows.
Solar activity will be low to moderate.
The geomagnetic field will be quiet to active.

Date: Sat, 26 Feb 2000 22:44:55 -0800
From: Arthur Moe <kb7ww@chatusa.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [64283] Is W1FB an Alligator ????
Message-ID: <38B8C7E7.3AB29965@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is Ed a alligator ???? Just joking, but I am going to take a tape
to Dayton and if he is there play it for him. So he knows just how
loud he was here on the left coast.

Art
KB7WW

Date: Sun, 27 Feb 2000 01:59:02 -0500
From: tom palmer <n1tp@worldnet.att.net>
To: we6w@netzero.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64284] Re: Now W1FB can take a break :)
Message-ID: <38B8CB35.7402F25A@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

W1FB (Ed operating) was 599 both ways
here in Naples, Florida, as of 0025 UTC.

Tom, N1TP

Ed Loranger wrote:

> Now that I've worked him, Dave can officially take
> a break. :)
>
> What a beautiful callsign to send! W1FB is very
> musical. Dave was 339 here in Northern California
> at 0336 thru 0338Z on 7041.46 KHz.
>
> 72/Ed we6w
>
> --
> 72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
> http://www.qsl.net/we6w Santa Rosa, CA
> QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 NC#2227
>
> _____________________________________
> NetZero - Defenders of the Free World
> Get your FREE Internet Access and Email at
> http://www.netzero.net/download/index.html

Date: Sun, 27 Feb 2000 07:35:59 GMT
From: "Bill Todd" <zapzap73@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [64285] HW-9 HELP! I screwed up folks...
Message-ID: <20000227073559.77857.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

That's right.....I am pretty sure I blew the final on this cute little
rig. That's where the HW-9 experps come in.

I goofed up by trying to tune an HW-9 on 80 meters into a 40 meter dipole,
through a tuner. Argggggg. I was using the rig at only about 1/2 of its
rated output, so I thought I was being safe (and all that), but then "snap",
no more forward power. So now, my HW-9 is a great receiver (ha ha).

I do not have the operating manual for this rig, so I don't have a componant
list, so could someone please tell me what the replacement part number is
for the final? Also, do you think I will need to replace the driver too?

As far as I know, this rig has never been modified.

Thanks -
Bill-N7MFB
(red face and all)

PS - Please respond to this e-mail address rather than to the list.
Thanks.

____
Get Your Private, Free Email at http://www.hotmail.com

Date: Sun, 27 Feb 2000 01:47:30 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [64286] IA QRPC Meeting and 30m Opening: ramble ramble
Message-ID: <200002270747.BAA22141@sunburst.usd.edu>

Hi gang:

The IA QRPC had its "westside" meeting today in Sioux City, just 35m from SD. Naturally, I only read the first line of the announcement for the QTH -- the Red Cross building and drove right to it -- except they'd moved it since last year! Got there 45-mins late and very nice crowd and very nice stuff in the building contest. I brought along a couple of items, but as usual, my philosophy got in the way -- hey, I can do that beautiful Swiss-watch stuff, but I'm too lazy. Actually, my Scorpion LED SWR bridge in a Tiny Tim Altoids box got a fair share of ooohs and aahhhs and they had to take two pictures of it -- so what if I never even get a 4th place building contest prize?

Without getting into too much detail, one of the IA QRPC members is prototyping a rcvr for a posible club xcvr kit. So far the glue-on roundpad construction fits inside an Altoid neatly. The present limitation (40m version) is VXO freq. control,
but given the mixing system, the VXO uses a pair of paralled xtals up around 11.5mHz (don't remember exactly) so the result is a 7040 +/- 5kHz swing -- more than anyone needs for QRP on 40m.

However, what is most impressive about this emerging design is its noise floor. It detects a 0.17uV signal clearly (could go lower for my ears) but the point is that there is NO INTERNAL NOISE to be heard. Direct comparisons were made to the NORCAL40 and the DSW40 -- you could hear the 0.17uV signal on both, but the internal noise shrowded it. This is kind of amazing -- reminds me of the old direct conversion rcvrs -- no if amplifier, no noise -- and we always felt in direct contact with the "ether". So, I hope this project keeps going because this is one knock-out yet simple receiver with a 4-pole filter. Once mated with a decent 3-5w xmtr section, it will be a winner.

Ironcially, several us of ended up after most had left just ragchewing as QRP'rs will. One topic was about 30m seeming dead most of the time. Mike Fitz of homebrew "SST for 10 and 15" fame hadn't been hearing anything. I mentioned that it is mainly that no one is on.

So, I got home, and 30m was crawling with EU's. A 6-kHz-wide pileup on
VP6BR on Pitcairn Island left the rest of the band open. There was V51AS
sending his call in strings of 7 or 8 and BK'ing. So, easy pickings. I worked
him back in Dec. but he hasn't answered my QSL yet. Then some others,
and now CE0ZY has another massive pile-up on him. I worked VP6BR Thur.
night thinking he was a Carrib although my switching between EU/S.PAC
and Carrib ants said he wasn't in the Carrib. Took 3 calls but I got him, and
then QRZ.COM blew me away with Pitcairn Island! WOW! That was cuntry
#116 on 30m and the first new one since Dec 13!! Long dry spell.

I've heard several QRP'rs in there working good stuff this week. I heard
KA3TMT/QRP (who sends around 32wpm and is mostly unintelligible) pick
of the 6W6 that was on. Several others working good stuff. So, HEY gang,
30m is back with the approaching equinox -- don't miss the fun!

72, Ade

Date: Sun, 27 Feb 2000 07:52:31 GMT
From: sherers@gate.net (Stephen Sherer)
To: secondclassopsclub@egroups.com, qrp-l@Lehigh.EDU
Subject: [64287] SMT
Message-ID: <38c2d705.82132173@mailhost.gate.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

"A brief introduction to SMT" may be found at the following URL
References to solder type and tips.

http://www.geocities.com/vk3em/index.html
Regards,
Steve Sherer KE4LJH
Sebastian, Fl -80.49W 27.79N
SOC #131   QRP-L #2131
Sherers@iname.com

Date: Sun, 27 Feb 2000 03:23:30 -0800
From: "Tom Scott" <tscott@eni.net>

To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>
Subject: [64288] NORCAL SMT kit... The Future is coming...
Message-ID: <000101bf8115$1bffaba0$68100f0a@wyle.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

To tell you the truth, being in the semiconductor industry, and spending a lot of time talking with the design and marketing people at the major semiconductor manufacturers, I've been very concerned for a couple years now that hobbyists are going to get left out in the cold if we don't find some way to adapt.

While the Norcal effort is VERY commendable, and I DEFINITELY intend to build one of these kits, the fact is that 1206 packages aren't really the problem. It's a good first effort and well worth while. If it gets a bunch of folks over their paranoia about SMT, that alone is a great contribution. I recommend that everyone who is serious about staying in tune with technology, jump on board and build one of these ASAP. With 1206 packages, its really not that difficult. But somehow we're going to have to adapt to lead pitches that are so fine that a soldering iron is about as useful as a tire iron is for picking your teeth! You all notice I hope that the large parts are being delivered already soldered to the board.

As others have written, some of the most common through hole parts are still available and will be for quite awhile, but much of the latest technology is now coming out in lead pitches that are ten times smaller, not to mention ball grid array packages that are 1mm and even 0.8mm pitch. You want to show me the slender soldering iron tip that can get up underneath one of these to solder the 64 to 1370 solder balls that can be underneath? I hear presentations from manufacturers weekly about new parts that are being introduced that will not be available in through hole, and not even in coarse pitch SMT. And we're not just talking about big multi-lead processors and FPGA's I've got some discrete components that are so tiny, I need a magnifier just to count the pins.

I hate to say it folks, but we're not just into the age of SMT, we're into about the third generation of SMT. There is no turning back and the manufacturers cannot justify building parts in the older packages, because no commercially viable new project will use them. The old packages exist at this point primarily for repair spares and existing older production. Neither of which is a compelling reason to build a new design in those packages, so they aren't going to.

It seems to me that we're going to have to invent the "hobbyists IR reflow oven" or something comparable! There will be no way around solder paste and reflow for building with these parts. You may think I'm kidding, but I'm

dead serious. I've discussed it with dozens of major semiconductor manufacturers and while they are sympathetic, they are clear that this is a problem we're going to have to solve. I don't think the electronics industry can survive without a thriving hobbyist camp that innovates and experiments and trains engineers, or maybe I just hope it can't.

Any ideas? I can go away and keep busy with other things, but since we're on the subject, I thought perhaps we ought to discuss this issue in a bit more depth.

Valves anyone? (Lets see octals, 7 pin miniatures, acorns, and nuvistors... yeah I can solder the sockets for any of those! Just saw a guy the other day selling a bag of old Tektronix ceramic and silver solder terminal strips... I guess I will keep my controlled temperature soldering station after all, there're always connectors to solder.)

73

- Tom
_/_/_/

It looks like it might be me alone again at the station today, although Wayne and Dave may do a bit of W1FB operating from home. I will alternate between 40 and 20 meters, on 7041.2, by the radio dial, or on or near 14.060 kHz (minus if any broadband digital QRM like yesterday). I may end up knocking off around 1900 UTC or so, I will see how the QSO rate holds.

Look for W1FB on 40 this AM, starting at about 1230-1245 UTC.

QSL via me or the Central Connecticut QRP Club address from the Callbook.

73,
Ed Hare, W1RFI

Date: Sun, 27 Feb 2000 07:33:41 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Ronnie Davis <ke4vpn@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64290] Re: Fox and QRP-L # how do I find fox and # ?
Message-ID: <Pine.OSF.4.21.0002270732060.25914-100000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Foxunt info is here...

  <http://www.acs.oakland.edu/~prvalko/foxhunt.htm>

You'll also find instructions on how to get a QRP-L number.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics.
  Visit the Virtual Ten*Tec Museum at:
  <http://www.acs.oakland.edu/~prvalko>

Date: Sun, 27 Feb 2000 08:13:05 EST
From: Rod Johnson <ka7you@juno.com>
To: bowerm@ix.netcom.com
Cc: qrp-l@Lehigh.EDU
Subject: [64291] Re: Freq Counter

Message-ID: <20000227.052630.4479.3.ka7you@juno.com>

In the FWIW department... I use two of the earlier versions of the RS LCD Freq. counter (bought when they were on sale too), with my VHF/UHF gear, clear up to 1296MHz.
   They work just fine, and are quite accurate.
   It is a bargain if you have the need for one.
  7 3,
Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
80M thru 10M with K2 s/n268 and other fine QRP rigs.
VHF thru 1296 MHz-higher bands pending
ARCI-QRP #7251   QRP-L #844   NWQRP #120 NorCal #2007 SOC#184 and others

_____
YOU'RE PAYING TOO MUCH FOR THE INTERNET!
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http://dl.www.juno.com/get/tagj.

Date: Sun, 27 Feb 2000 08:16:50 -0500
From: Tom Isgro <k8cz@concentric.net>
To: GElam30092@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64292] Re: happy dance!
Message-ID: <38B923C2.88C314AD@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Congratulations Gerry,

Tom K8CZ

Date: Sun, 27 Feb 2000 08:27:45 -0500
From: David M Kopacki <kf2ew@juno.com>
To: qrp-l@lehigh.edu
Subject: [64293] Dreams come true in QRP
Message-ID: <20000227.082746.-16636141.0.kf2ew@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I'm sitting here but don't know what to say...how do you put in words the

feelings that come from being a part of history?

When Doug passed away, so did one of the few dreams I had in Amateur Radio....to work Him.

I know Ed was the op. But I just couldn't help sending 'TU DOUG'. Ed, I logged you as the operator but under 'Name', I just had to put in 'Doug'.

To Mrs. DeMaw, Dave, and all the good folks up in CT, thanks. I know this might be hard to believe, but I sit here fighting back the tears.

Doug DeMaw. Thanks, man. Maybe one day you and I can sit down together and......well, that's another dream...for another day.

Thank you all from the bottom of my heart,
Mike, KF2EW

_____
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http://dl.www.juno.com/get/tagj.

Date: Sun, 27 Feb 2000 13:57:48 +0000
From: "Nils R. Young" <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [64294] Lost mail & computer discoveries
Message-ID: <20000227.140809.-153203.1.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

Despite my best efforts & cussin' frustrations, I have once again gained control of technology. But in the interim I lost a handful (probably a whole skid full) of mail sent to me by various groups trying to sell me salvation, savings accounts, saliva surpressors & some folks on this & the Hellschreiber list.

If you remember what it was you sent me within the past 48 hours & really think that it's that important (the people who sent me mail about salvation, savings account &s, saliva surpressors sure thought it was), please send the stuff again.

I can't help but get this feeling (as the PSK & RTTY noise comes out of the computer) that I'm sending a big ZFX message on the TGO to the

tactical group in the middle of the Mediterranean just before liberty call in Corfu. And I still don't hear much actividad on Hellschreiber.

Looked up the Ham Radio magazine article on Hellschreiberei (posted on the web by some demented soul who, like me, probably misses that magazine most of all). Very interesting history & mechanical contrivance.

ZFX something anyway . . .

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes
http://home.fiberia.com/wb8ijn -- W8IJN --
http://members.xoom.com/nilsbull
"In MY day we had to FIGHT to have signatures! Every DAY was a STRUGGLE!"
-- Comrade Nikolai Sergeievich
McTovarishov, 19 Oct 1917

_____
YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Sun, 27 Feb 2000 09:18:38 EST
From: Kw4cz@aol.com
To: qrp-l@lehigh.edu
Subject: [64295] Parts source / Parts substitute help
Message-ID: <4f.149d26d.25ea8c3e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Greetings Gang,

Looking for the following parts OR a suitable substitute.
If anyone has a link to a company that I can cross reference these over to, I would really appreciate the help.

Parts : Motorola

MC 14499P (7 seg. LED display decoder / divider)

MC 34064 - 5   (Voltage sample circuit ?)

Both are really old I understand, and may be hard to find.

73 es thanks,

Gordon kw4cz

Date: Sun, 27 Feb 2000 06:36:12 -0800 (PST)
From: Jim Durkin <jimdurkin@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [64296] SMT in QST
Message-ID: <20000227143612.27358.qmail@web304.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

There is a 4 part series in QST from April, May, June,
and July 1999 called "Surface Mount Technology - You
Can Work with it."   The series is by Sam Ulbing,
N4UAU.

I could not find these on the ARRL web page. If anyone
knows how to locate them, please let me know. Thanks.

73
Jim kt4a
SOC#44

_____
Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
http://im.yahoo.com

Date: Sun, 27 Feb 2000 10:12:53 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [64297] W1FB CQing
Message-ID: <00de01bf8135$1f02f300$62e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just worked Ed with W1FB on 7041.6 MHz @ 15:06 UTC.

He was about a 579 in Reading, PA.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.n3epa.org
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@talon.net

EPA QRP #1 NJ QRP #179
KL7 QRP # 309 G-QRP # 3031
ARCI QRP # 5318 10 - X #13173
NorCal Zombie #625
ARS # 380 HI-QRP #153
VA QRP Society

SETI @ Home Project
http://setiathome.ssl.berkeley.edu
175 + Work Units Completed

Date: Sun, 27 Feb 2000 15:04:44 -0000
From: "George Dobbs" <g3rjv@gqrp.demon.co.uk>
To: <sherers@gate.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [64298] Re: SMT
Message-ID: <000301bf8138$cacc46c0$151d989e@kcubkvql>
MIME-Version: 1.0
Content-Type: text/plain;
  charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There is an excellent book published in the UK called
A Practical Introduction to Surface Mount Devices
By Bill Mooney
Babani Electronics Books [code BP411]
ISBN 0 85934 411 8

I reviewed the book for the RSGB some time ago.

It includes the development of SMT, passive and active parts,

PCB layour development, hand-working with SMT
Additional methods
Then a fine Appendix with
values and tables, conversions, equivalents, footprints/outlines etc.

The only book I know which really deals with
amateur construction in SMT

Bill is G QRP member and once ran a company called Blue Rose
which sold SMT kits
[I have a Sudden receiver in SMT which was a Blue Rose kit]
Blue Rose was closed because so few amateurs bothered
to buy the kits .....

72/3
George

George Dobbs G3RJV
g3rjv@gqrp.demon.co.uk
The G QRP Club
[www.gqrp.demon.co.uk]

"It is vain to do with more
what can be done with less"
William of Occum. 1290-1350

Date: Sun, 27 Feb 2000 10:42:27 EST
From: N1ODL@aol.com
To: qrp-l@lehigh.edu
Subject: [64299] W!FB/N1ODL/In the log...YESSSS
Message-ID: <8a.13bf2d8.25ea9fe3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Saw on the list that W1FB was again. Turned on the OHR400 and there he was in
a QSO. waited for it to end and heard him call QRZ. no luck...3rd time out
and he came back with my call. Just wish I was using the TT2 for this QSO.
Now...where can I send him a QSL card?
This QRP stuff only gets better and better...
Aron
N1ODL
Bedford, NH
QRP-L#1326
FISTS#4110 SOC#10
NJQRP#133

Date: Sun, 27 Feb 2000 10:46:46 -0500
From: david fouchey <dafouchey@home.com>
To: tscott@eni.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64300] Re: NORCAL SMT kit... The Future is coming...
Message-ID: <38B946E6.7C74B32B@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Adapt or die is the name of the game in life and manufacturing. Tom your points are most excellently made, and the sooner we come to grips with it the better off we will be as hobbyists and professionals. Crying about the uncomfortable facts of dealing with SMT technology doesn't serve any purpose, instead we need to look into how we can adapt to using these components in the home shop. I remember not so many years ago when the same hew and cry went up in response to home brewing circuit boards, now the average ham can pop out a professional quality board with only a modest investment in time materials and tools. Let's see that same vaunted "can do" attitude put into the use of SMT devices too.

They are a fact of life, the sooner we come to grips with that, the sooner we can go forward with more designs for compact high quality home brewed equipment.

72's
Dave
WA4EMR/8

Tom Scott wrote:
>
> To tell you the truth, being in the semiconductor industry, and spending a
> lot of time talking with the design and marketing people at the major
> semiconductor manufacturers, I've been very concerned for a couple years now
> that hobbyists are going to get left out in the cold if we don't find some
> way to adapt.
>
> While the Norcal effort is VERY commendable, and I DEFINITELY intend to
> build one of these kits, the fact is that 1206 packages aren't really the
> problem. It's a good first effort and well worth while. If it gets a bunch
> of folks over their paranoia about SMT, that alone is a great contribution.
> I recommend that everyone who is serious about staying in tune with
> technology, jump on board and build one of these ASAP. With 1206 packages,
> its really not that difficult. But somehow we're going to have to adapt to
> lead pitches that are so fine that a soldering iron is about as useful as a
> tire iron is for picking your teeth! You all notice I hope that the large

> parts are being delivered already soldered to the board.
>
> As others have written, some of the most common through hole parts are still
> available and will be for quite awhile, but much of the latest technology is
> now coming out in lead pitches that are ten times smaller, not to mention
> ball grid array packages that are 1mm and even 0.8mm pitch. You want to show
> me the slender soldering iron tip that can get up underneath one of these to
> solder the 64 to 1370 solder balls that can be underneath? I hear
> presentations from manufacturers weekly about new parts that are being
> introduced that will not be available in through hole, and not even in
> coarse pitch SMT. And we're not just talking about big multi-lead processors
> and FPGA's I've got some discrete components that are so tiny, I need a
> magnifier just to count the pins.
>
> I hate to say it folks, but we're not just into the age of SMT, we're into
> about the third generation of SMT. There is no turning back and the
> manufacturers cannot justify building parts in the older packages, because
> no commercially viable new project will use them. The old packages exist at
> this point primarily for repair spares and existing older production.
> Neither of which is a compelling reason to build a new design in those
> packages, so they aren't going to.
>
> It seems to me that we're going to have to invent the "hobbyists IR reflow
> oven" or something comparable! There will be no way around solder paste and
> reflow for building with these parts. You may think I'm kidding, but I'm
> dead serious. I've discussed it with dozens of major semiconductor
> manufacturers and while they are sympathetic, they are clear that this is a
> problem we're going to have to solve. I don't think the electronics industry
> can survive without a thriving hobbyist camp that innovates and experiments
> and trains engineers, or maybe I just hope it can't.
>
> Any ideas? I can go away and keep busy with other things, but since we're on
> the subject, I thought perhaps we ought to discuss this issue in a bit more
> depth.
>
> Valves anyone? (Lets see octals, 7 pin miniatures, acorns, and nuvistors...
> yeah I can solder the sockets for any of those! Just saw a guy the other day
> selling a bag of old Tektronix ceramic and silver solder terminal strips...
> I guess I will keep my controlled temperature soldering station after all,
> there're always connectors to solder.)
>
> 73
>
> - Tom
> _/_/_/_

> 503-703-2032 - Cell
> _/_/_/_

```
WS4S 599  599  tn   conrad    993
N5UW 559  559  ok   clif 478
NQ7X 599  559  az   floyd    343
N5LU 599  599  ok   bill 2009
K4NK 599  599  sc   les  871
K1VP 599  559  nh   ed   1960
WE6W 569  559  ca   ed   1157
NK6A 579  569  ca   don  1517
N1ODL     559  599  nh   aron 1326
K5AAR     599  559  ok   don  1512
K5RV 599  559  la   brian    324
NT1R 599  559  me   bill 911
K8CV 579  559  mi   walt 935
N1TP 599  579  fl   tom      1317
KG4BIG    599  599  ky   ken  1974
K2JQ 549  559  ny   dick 1811
AF4PS     599  599  fl   mac  74
K5ZTY     599  559  tx   bill 473
WB8YYY    599  599  md   curt 2115
W0RW 559  599  co   paul 2284
N2ZHY     599  559  nj   david    2067
W8RU 599  599  mi   ron  188
KK5LD     599  599  tx   dan  252
K0PC 589  559  mn   pat  164
VE5RC     559  229  sk   bruce    886
K5OI 589  569  nm   tim  196
K8MEG     589  589  mi   rich 1017
KQ5U 599  559  tx   terry    1603
W2XN 599  599  fl   fred 1728
AC6LA     559  559  ca   dan  515

As soon as I get the pictures back I will be working
on a QSL card.
If there was anyone I missed, let me know so I can
justify a trip back in November!  PLEASE!

73    Hank    K8DD
*/     Hank Kohl  K8DD      k8dd@arrl.net
*/     ARRL TS              http://www.tir.com/~k8dd
*/     MI-QRP - Vice Pres.  QRP-ARCI - Director
*/
*/   Did you know you can email money with PayPal.com?
*/     Check this out:
*/   https://secure.paypal.com/refer/pal=k8dd%40arrl.net


------------------------------
```

Date: Sun, 27 Feb 2000 11:16:12 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Cc: "Ed Hare, W1RFI (w1rfi@arrl.org)" <w1rfi@arrl.net>
Subject: [64302] SPECIAL FOXHUNT ANNOUNCEMENT - (Fox Change)
Message-ID: <Pine.OSF.4.21.0002271107240.8331-100000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

****

Please mark Tuesday evening, March 14th off so that you may join a
VERY special FOXHUNT event you will not want to miss!

WD4ET is unable to operate that night. Jeff graciously gave me plenty
of warning so it is with Great Pleasure that I announce his replacement:

****
* W1FB will be the FOX!!! *
****

MARCH 15th 0300Z - 0500Z W1FB Ed W1RFI, in CT. QRP-L #2222

Can you believe it? W1FB is QRP-L # 2222 - How about that?! Is that
cool or what?

Ed tentitively plans on running the ORIGINAL Tuna Tin II, but may switch
to another 5 watt rig if conditions warrant.

Remember Foxhunt dates and times are posted in UTC. 0300Z March 15, 2000
is the evening of Tuesday March 14th in North America.

Again, this a foxhunt you will NOT want to miss.

****

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics.
Visit the Virtual Ten*Tec Museum at:
<http://www.acs.oakland.edu/~prvalko>

Date: Sun, 27 Feb 2000 11:27:05 EST
From: K2UD@aol.com
To: benmail@erols.com
Cc: qrp-l@lehigh.edu
Subject: [64303] Re: NORCAL Surface Mount Technology Kit
Message-ID: <27.24babd2.25eaaa59@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Special SMT tools used here:

A 25W soldering iron with a small pointed tip

Skinny solder

Toothpicks (to hold down SMT components)

Hemostats or tweezers (to place components on the board)

Loc-tite (also to hold down components, a dab will hold part in place)

A third hand (OK, I get creative with just 2)

No magnifying lens (my eyes are still pretty good)

You can see that there aren't too many "special" tools you need for surface mount work, though you can certainly spend much money on the same if you wish. It's amazing what you can do with the tools you already have!

I may offer an SMT ATV xmtr project for sale for somebody who just can't wait for the Norcal kit to get started. Only one though, sorry. See July 1991 73 Magazine for the KC6CCC Micro ATV Transmitter article. SMT throughout. It's neat and works as advertised!

72 all

Howard Kraus, K2UD

Date: Sun, 27 Feb 2000 00:22:52 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: ka0gkc@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [64304] Re: Help: Single Diode DC detector
Message-ID: <38B8D0CC.25B16524@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Claton:

I believe the detector circuit you are thinking of is the Harmonic Product Detector, originally described by V. Polyakov, RA3AEE, in Russian amateur radio journal. It used 2 back-to-back diodes, an oscillator frequency 1/2 the input frequency, and had a cubical parabolic I/V characteristic. It was claimed to have much higher immunity to fundamental overload from broadcast transmitters.

In the April 1980 issue of Ham Radio Magazine, John Keith - WB5DJE, presented a 40-meter QRP transceiver that incorporated a balanced version of the harmonic detector. Within the article, John describes how the balanced version cancels DSB a-m signals in the diode pairs. Indeed a novel concept for dealing with the 41-meter broadcast stations that blast right through the typical 40-meter direct conversion detector. John's transceiver went on to be published in Bill Orr's Radio Handbook, the 22nd edition (1981). Another balanced version of the circuit was presented by Jack Najork - W5FG, in June 1983 issue of Ham Radio Magazine.

The reason I am aware of these circuits is I experimented with them extensively a few years ago. I was trying to find a way to adapt one of them to my HW-8. Like most, if not all conventional square-law detectors, the HW-8's suffers from horrible a-m broadcast feed-through and detection. I found the W5FG circuit provided somewhat better a-m rejection than the WB5DJE circuit. They don't provide complete elimination of the a-m problems but offer substantial improvement.

Oh, the reasons I didn't use it in the HW-8? First, the complexity of all the added circuits. And second, as mentioned, the LO has to be 1/2 the usual LO frequency. I tried squaring up the LO signal and then using flip-flops to divide by 2. That worked, but then I found the harmonic detector output voltage went to zero with the square-wave LO. If you study the diode transfer characteristics, in conjunction with the detector circuit, it eventually makes sense why that happens (as I recall).

Good luck, Thomas - AC7A (Tucson)

Cla KA0GKC wrote:

> Hi Gang,
>
> My memory need your help! There was a direct conversion receiver design
> published within the last decade that used, I believe, a single diode and a
> coil(transformer maybe) as the product detector. It was either a Russian
> design or based on one and I think the article was written by an east Europeon

> Ham. The article talked of how well it worked because the VFO operated at
> either twice or half the receive frequency. I'm sure the article was in a Ham
> magazine or perhaps Nut's & Volts.
>
> If this rings a bell for anyone, even a little, would you please email me with
> what you may know about this article?
>
> Thanks and 73 de KA0GKC Claton Cadmus
> ka0gkc@arrl.net
> MNQRP #1
> Minnesota QRP'ers we're looking for you!
> Email me or visit this page http://www.qsl.net/mnqrp

Date: Sun, 27 Feb 2000 11:38:59 -0500
From: osier <osier@northnet.org>
To: qrp-l@lehigh.edu
Subject: [64305] Microwatting.......??????
Message-ID: <38B95323.4C7F29CE@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello All !!!

Might be a strange question , but could a WM-1 or WM-2 be modified
somehow and be able to work in the microwatt range ?????
I realize that usually a oscilliscope of 100 MHZ or so is usually used
to measure in this range ... but way out of my league for price and
convienence .. ENJOY milliwatting but gotten a bit CRAZIER and would
love to microwatt on 10 meters !!!!!

Many thanks to all in advance !!!!

72/73/74s

George Osier , N2JNZ/QRP

Date: Sun, 27 Feb 2000 11:53:21 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [64306] EQUIPMENT PRICES
Message-ID: <64.a7db08.25eab081@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For those selling (OR BUYING) equipment and need a benchmark for WHAT PRICE TO ASK (or pay) here is a place to go that is updated routinely:
http://www.aade.com/hampedia/prices2.htm

Alan KB7MBI

Date: Sun, 27 Feb 2000 10:15:15 -0700
From: "Mike Newbold" <newbold@cmn.net>
To: <qrp-l@Lehigh.EDU>
Subject: [64307] W1FB
Message-ID: <200002271709.KAA17440@cmn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Go to qrz and enter: W1FB. cool pic of Doug, check out his iron and rig.
Thanks for the great special event.

72 de K0YO
Mike Newbold
Oak Creek
CO

Date: Sun, 27 Feb 2000 12:20:29 -0500
From: w2xn@juno.com
To: qrp-l@lehigh.edu
Subject: [64308] W1FB
Message-ID: <20000227.122031.-871063.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Just worked Ed on 14089.60

He was 559 in Lakeland, FL with peaks to 599

Very nice signal.

Fred W2XN   (one of the "Swamp Rats")
Lakeland, FL
W5YI-VE   Skywarn #POL-007   Polk County ARES
AR QRP #233   QRP-L #1728   NJ-QRP #197   ZOMBIE #709

_____
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http://dl.www.juno.com/get/tagj.

Date: Sun, 27 Feb 2000 12:28:18 -0500
From: "Kenneth Stovel" <k2mpd@worldnet.att.net>
To: <njqrp@njqrp>
Cc: <qrp-l@Lehigh.EDU>
Subject: [64309] FS-Poqet prime and plus
Message-ID: <002f01bf8148$0a7c2600$0101a8c0@pavilion>

Hi All,

I am going to sell my Poqet's

Poqet prime $25.00 plus shipping.

Poqet Plus $50.00 plus shipping.

Please contact direct.   k2mpd@att.com

  "73" Ken K2MPD

Date: Sun, 27 Feb 2000 11:36:05 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Goemans <jgoemans@facstaff.wisc.edu>
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [64310] Re: W1FB on 40 mtrs
Message-ID: <Pine.LNX.3.95.1000227113420.17981R-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Paul et all.....it sure was a big thrill to work Dave as W1FB on 40
mtrs......this will be "one for the wall".....tnx to everyone for getting

W1FB on the air again.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
          A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
          "QRP! How sweet it is!"   "I am da man wit "DAH" paddle!"

On Sat, 26 Feb 2000, Goemans wrote:

> Hi all,
>   Yes way cool to hear W1FB work W1CKK Lila, on 40 mtrs. Both
> stns were easy copy in Wi. Lila didn't sound QRP, but big deal. I
> did get thru the throngs to work Dave at the key (K1ZZ)...
>
>   72, Paul
>
>
>
>
> Paul Goemans WA9PWP
> 1508 Sundt Lane Stoughton, Wi 53589
> wa9pwp@arrl.net
>

Date: Sun, 27 Feb 2000 12:47:16 -0500
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [64311] You can send e-mail to Ed Hare - W1RFI
Message-ID: <38B96324.4A23422A@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Hare's (W1RFI) e-mail address is listed on "Buckmaster's" as

                  ehare@arrl.org.

Ed's e-mail address is not listed on "QRZ."

Cheers to all,

Tom, N1TP
Naples, FL

Date: Sun, 27 Feb 2000 13:21:27 -0500
From: radioham@home.com
To: tscott@eni.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64312] Re: NORCAL SMT kit... The Future is coming...
Message-ID: <3.0.6.32.20000227132127.007b1980@24.2.2.70>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Tom and everyone-

I have no doubt that what Tom is saying is true - I see it in military applications where we no longer bother to repair subassemblies, we just switch them out and either toss the old ones or send them back to the manufacturers. And this is not new - has been happening for years. Our techs simply do not have the time, or equipment, to deal with things that small and complex.

For the aging ham population, it just may mean that we don't go down that path. My older rigs - Ten Tec 509, HW-8, work very well for the purpose they were intended - communicating with other hams. Maybe I won't be able to build a SMT radio myself, but I can still do what I enjoy most - communicate. Maybe those who love to build will find a way around, but I believe the vast majority of hams today don't build at all. Heck, I don't tune up my car anymore - my timing light, dwell meter, etc. are all but useless with cars where you need a $200,000 tuning station just to get the pollution control stuff right.

And back to the aging - I'm not a jeweler. luckily - I wear bifocals - I can't even see those tiny parts, let alone figure out how to flow solder them. Sometimes technology moves things out of the tinkering range of people. Just look at the new HDTVs. I will probably take a shot at the NorCal SMT kit, but with no guarantee of success. Just to see if I can do it. And yes, I have one of those big round magnifying things with a fluorescent tube, but using it gives me a headache for days.

It's not the end of the world. Maybe the days of SB-102s, etc. are gone forever, but there is no shame in buying a commercial rig. Like I said, if building is in your blood, you will find a way around, and the rest of us will just buy your stuff on the list after you get bored with it and want to move on to build something else.

Speaking of which, and I probably shouldn't do this in this post, but think of it as a reading test, still no interest on my OHR Explorer II for 20 meters - how about $75 shipped?? :-) That was one of the easier rigs to build. With manual, works great.

72/73,

Steve, N4EUK
QRP ARCI Awards Manager
http://www.qrparci.org
Reston, VA

Date: Sat, 26 Feb 2000 23:29:26 +0000
From: Roy <marion@montana.com>
To: qrp-l@lehigh.edu
Subject: [64313] W1FB on 14.0605
Message-ID: <200002271826.LAA25244@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yup, on 20 at 1830z and 599 into MT. Roy AB7CE

Date: Sun, 27 Feb 2000 10:45:54 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64314] Re: NORCAL SMT kit... The Future is coming...
Message-ID: <Pine.GSO.4.10.10002271026520.26268-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Congratulations to Doug!

SMT is something that has been needed in QRP kits for a
long time.

And NO ONE has been trying to get a nice single band kit
out for 10m.

So this is really a WIN WIN event!

S&S had some SMT kits out and I won a freq counter at the
Dayton Banquet a while back. Kathy and Dick helped me get
the hang of doing the SMT.

Many of you saw this going on at the S&S table later on
that night.

If I can do it, then so can you! I even did the "test"
down at Ft. Tuthill last year. And that was without any

magnifiers....just my little Ben Franklin reading glasses.
(And yes, it worked the first time without any trouble!).

MUST we give up on leaded devices for our little projects?
No!

The common parts that we all love will be around for longer
than any of us will be. Just like tubes. (How many remember
being told about how tubes will be gone in XX years, never
to be seen again?) :-)

SHOULD we learn to play with SMT? You bet!

I'll add one thing about equipment:

I use tweesers to move the parts around and to hold them in
place while soldering. The ones I have came from the beauty
section of the food store! Nothing fancy, just had a rubbery
grip that felt good to me!

I use the same solder station that I use for everything else.
Just put in the smallest tip I could get.

Let me mention that I want a tip with some mass but with a
very fine tip. NOT a LONG, SKINNY tip with less mass. You
only need that small size right where you are melting solder!

I use that 2% silver solder that is MultiCore no clean. Costs
too much.....near $30/lb if I remember right, but it's the
smallest 2% silver no clean that I can find.

I melt a SMALL amount of solder on ONE pad. Put the part down
and hold it still with the tweesers. Remelt the solder that
you put on the pad and feel/see the part go down into contact
with the circuit board. If it's not alligned just right, again
remelt the solder and move the part until it is aligned right.

Remember, you still don't want to over heat things.....these
are still nothing more than parts and too much heat can
ruin them just like it can any other parts.

Next solder the other end. You do not need to hold it still
for other then the first pad.

I only remove one part at a time from the holder. Many SMT
parts have no markings on them so you could wind up having
to measure every part just trying to figure out what it
is! (Been there....done that!)

So, my advice is to listen to all the tips people will give
on how they handle SMT and pick out those that work for
you.

But whatever you do, BUILD one of these kits!

(Oh, I set my iron on ~700 degs F.....about 50 degs cooler
than I do for through hole parts)

cul,

73, Ron

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.......Nevada....NRA LIFE....
.....SOWP 5545M.......WHINERS #1........ZOMBIE #18.....

Date: Sun, 27 Feb 2000 13:03:13 -0600
From: "Michael Young" <mikey@mcs.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64315] Re: W1FB on 14.0605
Message-ID: <003001bf8155$4c3aabe0$7004a2c6@fensoft.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yep. 599 +20dB near Chicago. You'd better hurry; I put it up as a DX spot.
:-)

Michael.
K9ZC

----- Original Message -----
From: Roy <marion@montana.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, February 26, 2000 5:29 PM
Subject: W1FB on 14.0605

> Yup, on 20 at 1830z and 599 into MT. Roy AB7CE
>

Date: Sun, 27 Feb 2000 14:05:29 -0500
From: Tom Isgro <k8cz@concentric.net>
To: radioham@home.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64316] Re: NORCAL SMT kit... The Future is coming...
Message-ID: <38B97579.4EA2CF51@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

radioham@home.com wrote:
>
> Tom and everyone-
>
> I have no doubt that what Tom is saying is true - I see it in military
> applications where we no longer bother to repair subassemblies, we just
> switch them out and either toss the old ones or send them back to the
> manufacturers. And this is not new - has been happening for years. Our
> techs simply do not have the time, or equipment, to deal with things that
> small and complex.
> <snip>
>
> 72/73,
>
> Steve, N4EUK
> QRP ARCI Awards Manager
> http://www.qrparci.org
> Reston, VA

It's going on in the private sector too. I've spent the last 27 years repairing equipment for a major US photographic concern, and we do the same thing. Find the bad board and ship it out!! That's how things are repaired today. And we are all doing it.

The local repeater club just bought a new board for a 1 year old Power amp--it is the only FRU (field replaceable unit) in the box.

Tom, K8CZ

Date: Sun, 27 Feb 2000 14:10:06 -0500
From: "Kenneth Stovel" <k2mpd@worldnet.att.net>
To: <njqrp@njqrp>

Cc: <qrp-l@Lehigh.EDU>
Subject: [64317] Re Poqet's
Message-ID: <001001bf8156$442e0360$0101a8c0@pavilion>

Hi All,

Both Poqet's have been spoken for.

Thanks all, "73" Ken K2MPD

Date: Sun, 27 Feb 2000 14:43:06 -0500
From: "The Weinsteins" <weinsteins@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64318] Re: happy dance!
Message-ID: <012b01bf815a$de533ce0$ba3b2a18@ym1.on.wave.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gerry:

Good on you! I can hear the music........

73 de Al, VE3HVX

----- Original Message -----
From: <GElam30092@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, February 26, 2000 11:34 PM
Subject: happy dance!

Date: Sun, 27 Feb 2000 15:09:09 -0500
From: "Caitlyn M. Martin" <caitlyn@netferrets.net>
To: Curt Milton <wb8yyy@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64319] Re: Necessity is the mother of strange antennas
Message-ID: <38B98465.15D73A14@netferrets.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, Curt, and everyone else,

I apologize for the delay in responding. I wanted to make sure my response was well thought out, and posted after I had sufficient time to really test the antenna and the issues you have raised.

> Well I think what I read is that your antenna system
> consists of a wire in the tree from the tuner, worked
> against a tuner ground connection that is a vertical
> wire terminated to a water pipe. From that
> standpoint, it does look like a dipole (off-center)
> fed with the tuner being the feedpoint.

Your description is exactly correct.

> its also configured a little like a half sloper ...
> the grounded counterpoise acting like a tower support
> - but in this case the wire sloping up!

Exactly! There is a small horizontal component to the counterpoise as well. Oh, and even though it is steel, I believe the pipe is a drain pipe.

> I would check the noise level both connecting and
> unconnecting the ground wire to the water pipe.

That was a good suggestion. I did not hear any really appreciable difference. My SWR is much better with it tied off to the pipe, though, on 15 and 40.

> You will find this set-up to behave itself on some
> bands, on other bands you might experience RF feedback
> into the keyer or mike, etc. This might be fixed by
> adding a counterpoise that is about a quarterwave for
> the band this occurs - just hook it up the same time
> as the grounded counterpoise.

Well, I am pleased to say that there does not appear to be any RF back into the shack, at least at the power levels I run, which are mostly QRP. I haven't tried 80 meters yet, and I suppose I should test it there, though I don't think it would work very well on that band. I am adding a 100 watt rig to make a sched with a friend more comfortable, and we'll see if it becomes an issue at that power level, or on 12 or 17 meters, which I don't have until the new rig arrives. I am saving this post, though, as I believe you are giving me very good and technically sound advice here.

> My set-up by the way is an off-center fed dipole - all
> generally horizonal and outdoors fed with ladder line.

> it might be best to try to move the radiating node
> from the tuner to some more ideal setting - and that
> will also make the operator less a part of the
> antenna!

In theory I agree with you 100%. In practice, this has to be nearly invisible in this townhouse situation. The thin wire I am using is. If I attempted to, say, coax feed it to a balun, then I'd have visible bits. I got away with my vertical only because it was on Outbacker Tri-Split on top of an Outpost tripod, and I took down the antenna, leaving only the tripod, after each time I operated. The tripod is below the fence level of my yard, and my immediate neighbors have never complained.

> I think you are on track to getting something to work.

It seems to work quite well now if my much improved log is ant indication. If you want, I'll keep you posted off list how well it works (or doesn't) at higher power levels or on the WARC bands.

Thanks and 72/73,
Caity
KU4QD

Date: Sun, 27 Feb 2000 15:08:57 EST
From: N9DD@aol.com
To: QRP-L@lehigh.edu
Subject: [64320] W1FB
Message-ID: <90.1348537.25eade59@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang

Thanks for the heads up on W1FB on 20 meters. I just worked Ed Hare there. What a thrill.

As I mentioned to Ed, Doug was my ham radio hero and idol. I loved his articles, books and projects. One of my most enjoyable ham radio experiences was the first QSOs I made on 30 meters with a W1FB designed xmtr at 500 mw. Doug had a great way of making technology simple and understandable to all of us.

Thanks again and 73 to all!

Tom N9DD
South Bend, IN

Date: Sun, 27 Feb 2000 15:22:03 -0500
From: Clay N4AOX <wyn@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [64321] NH: Hamcalc36 or later
Message-ID: <38B9876B.1101@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,
   I need a pointer to a site that has Hamcalc version 36 or later. I was trying my hand at trap dipole design, and discovered a big change between ver. 32 and ver. 36 according to an article in Oct. 98 CQ by VE3ERP himself. I will get ver 36 eventually by snail mail but need to use ver 36 Monday night if possible. Thanks,

72/73,
Clay N4AOX

Date: Sun, 27 Feb 2000 12:32:56 -0800
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-l@Lehigh.edu
Subject: [64322] FS 38S
Message-ID: <20000227.123304.-325043.0.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Psssst: Hey--over here!! Wanna buy a stock
38 Special kit? Took this in trade for another item. Board apx 20% populated, all parts seem to be there along w/ original docs and some NorCal mod docs as well. How abt $30 inc shipping conus! Pse respond privately. 72
Marv Fagenson
k6hcj@Juno.com

____
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http://dl.www.juno.com/get/tagj.

Date: Sun, 27 Feb 2000 14:35:46 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [64323] W1FB
Message-ID: <006d01bf8162$3cacd100$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone know how long the W1FB special even station will be operating today?
It's 20:33 now.

Signals on 20 are getting weak here in North Texas, and 40 is pretty well
dead here now.

I'd like to get a shot at him....

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
   e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle
SOC#198
"Ancient Pistol, I do partly understand your meaning."

Date: Sun, 27 Feb 2000 15:41:03 EST
From: n5ib@juno.com
To: qrp-L@Lehigh.edu
Subject: [64324] OPERATING: W5KID USS Kidd Special Event
Message-ID: <20000227.143311.7527.2.N5IB@juno.com>

Ahoy, list mates,

Tomorrow - Monday - is the 57th anniversary of the launching of the USS
Kidd, now a museum ship and memorial berthed in Baton Rouge, LA.

The USS Kidd ARC - W5KID - a unit of the Baton Rouge ARC - will operate
from aboard ship for the full public access hours (9 am to 5 pm CST,
1500 - 2300 Z) Operation will be mostly ssb on 20, 10, and some 15. My
shift starts around 1900 Z and I want to try to do some QRP cw near 14060
and 28060.

We will try to post spots on the dx cluster, and I will post to this list

as well during the day.

QSL via W5GIX callbook or QRZ address, the Baton Rouge ARC. Your card and a regular SASE for a USS Kidd QSL. Your card, a 9x12 SASE (needs 3 stamps) and $1 (to defray cost of certificate stock and printing) for a (IMHO) very nice certificate that has space for endorsements for future shipboard events.

I'll make sure that if your QSL card says "QRP" the certificate will indicate that proudly and prominently.

72
Jim N5IB

_____
YOU'RE PAYING TOO MUCH FOR THE INTERNET!
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Try it today - there's no risk! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Sun, 27 Feb 2000 15:41:03 EST
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [64325] OPERATNG: W1FB event
Message-ID: <20000227.143311.7527.1.N5IB@juno.com>

What a thrill, just worked Ed as W1FB from aboard the USS Kidd as W5KID. Great signal here into Louisiana, could't figure why it took so MANY calls to work him and why he only gave me a 339. Herein lies a story.....

The rig on the Kidd is a TenTec Triton. Not one I'm real familiar with. The ATU is an MFJ, with mighty small printing on the meter scales. I wear bifocals and have a trifocal prescription in my wallet. I set the drive for 5 W out before I began to call Ed. Much later I worked him, then decided to switch over to an Emtech NW-20 to "baptize" it aboard ship by making its first QSO (by my hand, I got in in a swap). Heard NF0R calling CQ and answered. Noticed that the output power indicator was MUCH higher than what the Triton was providing, and I had only recently measured the NW-20 at about 4 W. Well to get to the point, I had totally screwed up and had the Triton outputting something around 0.5 W when I worked Ed, 'cause I read the wrong meter scale. I'm gonna go back and put a dummy load on and measure the output at that same meter reading and see for sure, 'cause if it was 0.5 W or so, I believe that's a 1000 MPW winner! With Ed! As W1FB! Talk about a Happy Dance!!

BTW, worked Dave (NF0R) with the NW-20 also, but QRO QRM shut down my end

early. Got a 579 from Dave in St Louis. He was using a portable vertical
(St Louis style??)

72 all
Jim N5IB

_____
YOU'RE PAYING TOO MUCH FOR THE INTERNET!
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http://dl.www.juno.com/get/tagj.

Date: Sun, 27 Feb 2000 14:39:20 -0800
From: Dick Carroll <dixie@townsqr.com>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [64326] Re: NORCAL SMT kit... The Future is coming...
Message-ID: <38B9A798.A899700F@townsqr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Monte Stark wrote:

(regarding heat and SMT parts)

> Remember, you still don't want to over heat things.....these
> are still nothing more than parts and too much heat can
> ruin them just like it can any other parts.
>

That raises a question, Ron. Several years ago at work we had an SMT seminar where a soldering machine company brought in a hot-air soldering station and we did some practice work on a circuit board using the hot air station to remove and reinstall some SMT parts. While the hot air jet didn't cover a large area, it did heat up the immediate area of the target component to the temperature required to fully melt all solder in the immediate area, and of course the SMT device in question heated to that temperature also, as well as that part of the circuit board.

I don't remember all the details, and I retired before needing to use it, but indications were that the SMT devices evidently can tolerate a lot of heat, and I understand that

manufacturing does use hot air soldering techniques widely
in SMT work. Is heat tolerance component specific? It looks
like any active device with temperature sensitive
connections inside would be at risk. Or are all SMT devices
built to tolerate high temperatures? I imagine someone
reading here will have the answer.

Dick W0EX

Date: Sun, 27 Feb 2000 16:08:22 -0500 (EST)
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
To: "qrp-L@Lehigh.EDU" <qrp-L@Lehigh.EDU>
Subject: [64327] Free Shell Access
Message-ID: <Pine.BSI.4.05L.10002271601220.27420-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you can telnet from your ISP, you might want to telnet into

sdf.lonestar.org

It's a public access unix system, you can sign up for a free account.

One of the features is COM - which is a real time commuications channel
that could be used to let others know what's going on in various bands.

There are more features available if you send in 36 bucks for lifetime
membership. The person that runs the system is "ham friendly" and says
he'd be happy to see qrp folks make use of the system.

I'm not associated with them ... but sent off the 36 bucks to help defray
the costs of a non-advertiser cluttered free service.

73
thom
./././

Date: Sun, 27 Feb 2000 15:09:12 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: osier@northnet.org, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64328] Re: Microwatting.......??????
Message-ID: <000801bf8166$e61d7240$65773ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

George,

If you don't have any luck modifying WM-1 or WM-2 for reading microwatts you may want to try using attenuators. It is relative easy to build an accurate attenuator but difficult to accurately measure microwatts without expensive equipment. Say your already knew that your transmitter output was 100mW. A 30dB attenuator would bring you down to 100uW and you would know this was pretty accurate. Of course if you're using a transceiver you will need some way to bypass the attenuator while in the receive mode.

Attenuators are easy to build for HF using 3 resistors (for a given fixed value) and if you're starting off with milliwatts power dissipation will not be a problem. A shielded design with coaxial fittings would be recommended to assure that the transmitted signal isn't simply bypassing the attenuator.

There have been step attenuator designs published by the ARRL that would fit the bill nicely. Using precision resistors to start with, it is fairly easy to construct an attenuator with the attenuation you need.

This method of assuring milliwatt or less power outputs is more believable anyway in my opinion.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
http://home.swbell.net/aa5tb

Date: Sun, 27 Feb 2000 16:15:11 -0500
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [64329] E-mail to Ed Hare -W1RFI
Message-ID: <38B993DF.9EE44265@worldnet.att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In addition to:

     ehare@arrl.org.

Ed Hare has the following e-mail address:

      w1rfi@arrl.net

The latter is probably his home address.

72/73,

Tom, N1TP
Naples, FL.

Date: Sun, 27 Feb 2000 14:13:17 -0700
From: "Floyd Smithberg" <flydnq7x@primenet.com>
To: "QRP-L Message" <qrp-l@Lehigh.EDU>
Subject: [64330] Wireless phone monitor
Message-ID: <000f01bf8167$8c805b20$e8ae30d0@primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm sitting here in the living room with my xyl...she's watching TV, I'm writing this note on my laptop
and listeming to Ed Hare operate W1FB on my wireless fone....neat and handy. I got this GE 900Mhz
wireless phone recently and wondered why I couldn't just unplug the phone line from the base unit and
feed audio from my receiver into it and then be able to wander around and head copy cw. Just wired
a suitable phone plug to the end of a phone cord attached to the green and red wires...plugged into
my receiver phone jack and the phone base unit and voila, found I can walk a block away and still
copy fb. Of course I'm using a headset with the phone. You don't want to do this of course if it's
your only phone
Floyd NQ7X Phoenix,AZ ScQRPion

Date: Sun, 27 Feb 2000 13:28:13 PST
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [64331] Modifying Small Wonder Labs DSW Rigs to Receive SSB
Message-ID: <20000227212813.1586.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I stated mistakenly in my rave review of the Small Wonder Labs DSW rigs, "The offset of all DSW rigs is set for receiving on lower sideband." (CQ Amateur Radio, December, 1999, p. 40) In fact, only the DSW-20 receives on the lower sideband. The 80, 40 and 30-meter versions all receive on upper sideband. On the DSW-30, this feature makes no difference, since it is not a phone band. However, the design sideband is the reverse of customary sideband usage for the 80, 40 and 20 meter DSW rigs.

CHANGING SIDEBANDS

After some experimentation and consultation with the DSW designer, Dave Benson, NN1G, I offer the following very simple modification which reverses the sideband on the DSW rigs. This could potentially be very important to a DSW owner in a remote area who needs to contact an SSB station in an emergency. As I noted in my review, the rigs cover all of their respective amateur bands and more, but if you can t understand the SSB stations on 80, 40 and 20 meters, the extra coverage is not very useful. What is needed is to convert the DSW-80 and DSW-40 to receive LSB and to convert the DSW-20 to receive USB. These conversions can be accomplished inexpensively by adding a single fixed inductor. Since the DSW-30 and DSW-40 both have an IF of 4 MHz, the modification is the same. Similarly, the DSW-20 and DSW-80 both have a 5182-kHz IF. The identical added inductor reverses the sideband of those rigs in opposite directions, however.

The only reason I can imagine that a DSW-40 owner might want to give this modification a miss is that the Canadian time-signal station CHU on 7335 kHz transmits its French and English voice signals on USB. WWV and WWVH on 10 and 15 MHz transmit on AM, so the modification will not change your ability to copy its signals on the DSW-30 and DSW-20. In addition, the modification broadens the audio bandpass a bit, so CW reception is slightly less selective. With the modification, SSB audio reception sounds somewhat pinched, but it is quite understandable. In each case, all you have to do is to place an inductor in parallel with the trimmer capacitor C14.

INDUCTOR VALUES

All DSW-40 and DSW-30 kits include a grey 70-pF trimmer for C14. Early model DSW-20 and DSW-80 kits have the same grey 70-pF trimmer. In current model DSW-20 and DSW-80 kits, however, C14 is a black 90-pF C14 trimmer. Check the color before choosing your inductor. Here are the appropriate inductor values:

DSW-40: 15-uH inductor
DSW-30: 15-uH inductor
(Note: since 30-m is not a phone band, there s no point in modifying the DSW-30 for LSB reception.)
DSW-80 with a grey 70-pF trimmer capacitor C14: 8.2-uH inductor
DSW-80 with a black 90-pF trimmer capacitor C14: 6.8-uH inductor
DSW-20 with a grey 70-pF trimmer capacitor C14: 8.2-uH inductor
DSW-20 with a black 90-pF trimmer capacitor C14: 6.8-uH inductor

MODIFICATION PROCEDURE

To install the inductor in parallel with C14, solder it to the two C14 pads on the bottom of the circuit board. The neatest way is to use a surface-mount inductor. I had a tubular inductor with axial leads available which I was able to bend around and tack onto the circuit board.

After soldering on the inductor, re-align the offset pitch by adjusting C14 to match the sidetone. You obtain the offset pitch through your earphones by applying power while holding down the front-panel keyer button. Then depress your key or keyer paddle to give you the comparison sidetone pitch. This modification will change the 80, 40 and 30-m rigs to receive LSB and the 20-m rig to receive USB.

INDUCTOR SOURCES

For the surface-mount option, the 70-UMC1812 inductors for the proper values from Mouser would do fine. Dave Benson recommends the following Delevan surface-mount inductors, which are available from Digi-Key:

15 uH: DN12153JCT
8.2 uH: DN12822JCT
6.8 uH: DN12682JCT

The tubular axial-lead 70-IM2 inductors available from Mouser are bulkier and a bit trickier to solder beneath the circuit-board.

Now you can use your DSW rig for cross-mode QSO s. Enjoy!

Bruce Prior, N7RR
853 Alder Street
Blaine, Washington USA
n7rr@arrl.net

_____
Get Your Private, Free Email at http://www.hotmail.com

Date: Sun, 27 Feb 2000 16:39:28 EST
From: BenNW7DX@aol.com
To: qrp-l@lehigh.edu
Subject: [64332] Power Attenuator
Message-ID: <a1.24581df.25eaf390@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello -
    Reading the small thread about attenuators, I scrounged through the index of my 1999 ARRL Handbook for a power attenuator design, and came out empty handed. Dissapointing indeed.
    I was wondering if any of you guys know of some disigns, on the internet, or also in a magazine or book that would work. I think it would be neat just to flip a few switches and go from a few watts to a few milliwatts (and maybe even lower, if i've got the guts :-)

Thanks for your help,
Ben - NW7DX

Date: Sun, 27 Feb 2000 16:50:21 -0500
From: "Scott E. Olitsky" <solitsky@acsu.buffalo.edu>
To: <BenNW7DX@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64333] Re: Power Attenuator
Message-ID: <004301bf816c$a6c2d260$414d3018@scott.buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check out page 30.24 of the handbook for resistor vaules to build a Pi or T - Network Attenuator

Scott
AC3A
-----Original Message-----
From: BenNW7DX@aol.com <BenNW7DX@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Sunday, February 27, 2000 4:41 PM
Subject: Power Attenuator

>Hello -
>   Reading the small thread about attenuators, I scrounged through the index
>of my 1999 ARRL Handbook for a power attenuator design, and came out empty
>handed. Dissapointing indeed.
>   I was wondering if any of you guys know of some disigns, on the internet,
>or also in a magazine or book that would work. I think it would be neat just
>to flip a few switches and go from a few watts to a few milliwatts (and maybe
>even lower, if i've got the guts :-)
>
>Thanks for your help,
>Ben - NW7DX
>

Date: Sun, 27 Feb 2000 16:49:49 -0500
From: "J. Ervin Bates" <w8erv@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "SOC" <secondclassopsclub@egroups.com>
Subject: [64334] Re: W1FB on 14.0605
Message-ID: <011c01bf816c$92f45380$dc28113f@win98>

Well, I got to work W1FB, but it made me realize how much I need to practice my sending! STRONG sig here in Michigan 599 and I also got a 599 at true QRP.....so that made me feel good. I guess I'll have to get busy on the CW portions again and dedicate some time each day to it, instead of balking and hitting the DX pileups (hi).

Can't wait to get that QSL into my collection. I missed working Doug by a few months and it sure is great to hear the callsign active again, in his memory.

72/74,
Erv W8ERV

HamFair2000 is coming...ask me about it!
"Dare to Dream-It Sets Your Spirit Free!"

10-10# 70639 - QRP-ARCI# 9702 - SOC# 41

QRP-L #1569 - NorCal Zombie #

Date: Sun, 27 Feb 2000 13:46:25 -0800
From: Arthur Moe <kb7ww@chatusa.com>
To: BenNW7DX@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64335] Re: Power Attenuator
Message-ID: <38B99B31.8218BBBB@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ben and all

What I have done in the past is to take standard Pi designs and just parallel up carbon resistors to make the R @ enough Watts. Made one years ago to knock down my R4b to 10 watts to run a P&H 6mtr transverter also have made others to use with my Microwave Modules transverter. Mounted them in large hole cane metal boxes so air could move through.

At HF they all seemed to work well.

Art
KB7WW

BenNW7DX@aol.com wrote:
>
> Hello -
> Reading the small thread about attenuators, I scrounged through the index
> of my 1999 ARRL Handbook for a power attenuator design, and came out empty
> handed. Dissapointing indeed.
> I was wondering if any of you guys know of some disigns, on the internet,
> or also in a magazine or book that would work. I think it would be neat just
> to flip a few switches and go from a few watts to a few milliwatts (and maybe
> even lower, if i've got the guts :-)
>
> Thanks for your help,
> Ben - NW7DX

Date: Sun, 27 Feb 2000 22:55:37 +0000
From: "Nils R. Young" <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [64336] Acommodating the Antenna Mistress & other afternoon pursuits
Message-ID: <20000227.225644.-197335.1.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Y'all . . .

Spent the early afternoon over at Cindy's Mom's house with her grandmother. Grandma (my sons' great grandmother) is 90. She's slowing down & her hearing is weak, but she's aware & alive & has just started on another quilt. She makes 'em by hand, one stitch at a time. Life as a project metaphor.

During the prep to go there, I showed Cindy my plans for that section of the side yard where the lavender is growing & where she had wanted to put in more flowers & some other brick path stuff. My idea of a 45 ft tower was quickly rearranged. It gets like that. If I want to move the border, I have to acommodate the hard liners & fundamentalists. Which is Cindy.

So when we got home, I took a 8 ft chunk of fence rail, removed a stand-off doodad from the garage & put the vertical up on the end of the mast, posted to the outhouse radio shack. Then I cobbled together a big chonk of RG213 what probably needs recycled & a 25 ft chonk of RG8 what ain't never been outside yet. I put this all together in one run & snaked it across the lawn, through the lavender bushes & up the side of the house to the radio room/office place-a-maroo. I hooked that to the Z-match & found that I could tune pretty well everything I wanted.

This proves the "put a LDG QRP tuner at the bottom of the vertical & feed it with 50 ohm hose & a control cable" hypothesis. And a couple radials wouldn't hurt. So the next part of this life-as-a-project metaphor is to collect cash for the new low-current LDG & a suitable weather-proof box to put it in & continue the quilting bee.

Now if I could just get someone to Hell with me, I'd be set. Sittin' on 10138 right now & will pull up the Hellschreiber program on the first hint of crickety actividad.

(I'd have used 300 ohm twinlead to connect the vertical piece to the antenna, but that requires a little more climbing, a big chonk of 300 ohm feed line & some stand-offs . . . and a brace system to run it from the corner of the house above the lavender to the corner of the shed where

the mast is holding the antenna. But that can wait for better project weather. After almost a complete weekend of temperatures just tempting enough to let you catch pneumonia, it's gettin' colder ag'in up here, see?)

Maybe we can talk about the Pablo Milanes music thing.

73

Nils
 . . . operators are standing by in Hell . . . 10137.9+/- TR7 dial vagaries . . .

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes
http://home.fiberia.com/wb8ijn -- W8IJN --
http://members.xoom.com/nilsbull
"In MY day we had to FIGHT to have signatures! Every DAY was a STRUGGLE!"
                                -- Comrade Nikolai Sergeievich
McTovarishov, 19 Oct 1917

_____
YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Sun, 27 Feb 2000 18:02:54 -0500
From: "Robert Gutknecht" <kc2jz@netsync.net>
To: <radman@best.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64337] Re: Isotron URLs...
Message-ID: <004801bf8176$ce771d20$1ea69fce@bob>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone on the list know if parts for the Iso-80B isotron antennas are available. I can't seem to get any info on the antenna, and I need a couple parts to get it up and going. Thanks for any info
Bob KC2JZ   QRP-L 973 72

Date: Sun, 27 Feb 2000 17:59:40 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [64338] HELP--URL for NE QRP Club?
Message-ID: <200002271803_MC2-9AE9-106D@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
      charset=us-ascii
Content-Disposition: inline

Gang:

Can anyone help? Need the web address for the NE QRP Club ASAP. If you
can help, this would be greatly appreciated. Thanks in advance.

72,
--Doc Lindsey/K0EVZ
   DSBF
   PO BOX 6028
   Bismarck, ND 58506
   K0EVZ@arrl.net

Date: Sun, 27 Feb 2000 18:07:02 EST
From: EuroM6@aol.com
To: kc2jz@netsync.net, qrp-l@lehigh.edu
Subject: [64339] Re: Isotron URLs...
Message-ID: <79.1c8de2f.25eb0816@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Date: Sun, 27 Feb 2000 18:11:38 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "50mhz@qth.net" <50mhz@qth.net>, "6mt.com" <50mhz@6mt.com>,
"badgercontesters@qth.net" <badgercontesters@qth.net>, Dave Kimpton
<dkimpton@tbaytel.net>,
     Karen <kmonty@tbaytel.net>, Keith and Shelly <lesnickk@air.on.ca>, Kimberlea
Kelly <kimberleakelly@yahoo.com>, Larry <n5zzq@netdoor.com>,
Subject: [64340] Started my homepage...
Message-ID: <38B9AF29.26ABE5B5@tbaytel.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not much to look at,and it is just an experiment...But a start none the
less...
 http://ve3fal.homepage.com/
Fred
VE3FAL
Thunder Bay,Ontario

Date: Wed, 23 Feb 2000 03:43:27 -0800
From: "Mark Burton" <rburton2@midsouth.rr.com>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [64341] Antenna Help Request
Message-ID: <00ad01bf7df3$3385e0c0$73601818@midsouth.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All,

Our family has relocated to an area where I cannot put up my tower (Radio
Prison). The backyard is large enough to just about hide a 40 meter dipole.
When we first moved in, I put up a 30 meter dipole and ran QRP with a great
deal of success. After a while, I got tired of that band and shortened it to
its present form as a 20 meter dipole. So much for my life story.

I would like to work several bands without having to make major adjustments
to my dipole. I do not want to go with a trapped dipole. My setup does not
allow me to use ladder line and a doublet. I believe I would like to try a
vertical antenna. I need to find an efficient one due to my QRP operation.
My questions is, which one? I would be happy with 40 through 10 meters.
Should I go with a Gap, Hygain, Cushcraft R7000, R6000, or R8? Perhaps
something else. What do you guys recommend?

Thank you,
Mark
WB4TGB

Date: Sun, 27 Feb 2000 17:19:57 -0600
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64342] Re: Single Diode Product Detector Update.
Message-ID: <04f101bf8179$a53b0e00$0200000a@aplitech>

Thanks again to all that responded. I have not actually located the article I was looking for but I have found out some more information about this interesting product detector.

There is an article in Ham Radio June 1983 page 44 "harmonic product detectors for QRP transceivers". I believe this is the technique I was looking for. A pair of back to back diodes are used instead of a single diode in what appears to be similar to conventional mixer circuits. The LO(VFO) runs at 1/2 the received frequency. Obvious advantages here. The article also references RA3AEE V. Polyakov and his article in "Amateur Radio Techniques, Seventh Edition, RSGB page 131 and 132" apparently out of print. I would be very interested in this article.

So I'm still trying to find the original article I was looking for. So if this additional information has rattled a memory loose, please email me direct.
Thanks and 73 de Cla KA0GKC

----- Original Message -----
| Hi Gang,
|
| My memory needs your help! There was a direct conversion receiver design
| published within the last decade that used, I believe, a single diode and a
| coil(transformer maybe) as the product detector. It was either a Russian
| design or based on one and I think the article was written by an east
Europeon
| Ham. The article talked of how well it worked because the VFO operated at
| either twice or half the receive frequency. I'm sure the article was in a
Ham
| magazine or perhaps Nut's & Volts.

Date: Sun, 27 Feb 2000 18:38:27 -0500
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [64343] QRP TEST - K1OJ calling CQ on 21.060
Message-ID: <38B9B573.64ABC394@worldnet.att.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

O.J. (K1OJ) is calling "CQ" in QRP contest.
He's on 21.060.00   .Big Signal into SW FL.

72,

Tom, N1TP

Date: Sun, 27 Feb 2000 18:35:50 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [64344] NE-QRP Club url--*GOT IT* Thanks!
Message-ID: <200002271838_MC2-9AD4-405F@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
      charset=us-ascii
Content-Disposition: inline

Gang:

Wow, the response has been overwhelming. Thanks, one and all.

72,
--Doc Lindsey/K0EVZ
   DSBF
   PO BOX 6028
   Bismarck, ND 58506
   K0EVZ@arrl.net

Date: Sun, 27 Feb 2000 17:43:53 -0600
From: Dave Sjolin <sjolin@swbell.net>
To: kc2jz@netsync.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64345] Re: Isotron URLs...
Message-ID: <38B9B6B9.59B36C0A@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Robert Gutknecht wrote:
>
> Does anyone on the list know if parts for the Iso-80B isotron antennas are
> available. I can't seem to get any info on the antenna, and I need a couple
> parts to get it up and going. Thanks for any info
> Bob KC2JZ   QRP-L 973 72

Bob, probably the only place you can get parts is direct from the
manufacturer. They advertise in virtually every issue of QST and CQ.
Additionally, if I remember correctly their telelphone number is listed
on the instructions.

The only web presence I have seen for the Isotron is from distributors
and they obviously wouldnt have parts. I dont think its been that long
that the antenna has been available other than direct.

Other than the coil, Im not sure what parts you might need. From my
imprecise memory the remainder of parts are insulated bars that hold the
coil in place, formed sheet metal and the hardware to hold all together.
Oops. Forgot coax connector.

Good luck,
73 de Dave, N0IT

Date: Sun, 27 Feb 2000 18:57:55 -0500
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [64346] N5IW calling "CQ" in QRP test
Message-ID: <38B9BA02.52DE4427@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave, N5IW, is calling "CQ" in QRP test on 21.061.50.

72,

Tom, N1TP

End of QRP-L Digest 1744
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